

## Список литературы

- [ ] Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors. *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [ ] Timmy Manning and Paul Walsh. Automatic task decomposition for the neuroevolution of augmenting topologies (NEAT) algorithm. In Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 1–12, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [ ] Luca Manzoni, Mauro Castelli, and Leonardo Vanneschi. Evolutionary reaction systems. In Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 13–24, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [ ] Lars Rosenbaum, Andreas Jahn, and Andreas Zell. Optimizing the edge weights in optimal assignment methods for virtual screening with particle swarm optimization. In Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 25–36, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [ ] Christian Darabos, Mario Giacobini, Ting Hu, and Jason H. Moore. Lévy-flight GP: towards a new mutation paradigm. In Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 37–48, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [ ] Simone Marini and Alessandra Conversi. Understanding zooplankton long term variability through genetic programming. In Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 49–60, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [ ] Holger Franken, Alexander Seitz, Rainer Lehmann, Hans-Ulrich Häring, Norbert Stefan, and Andreas Zell. Inferring disease-related metabolite dependencies with a bayesian optimization algorithm. In Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 61–72, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [ ] Marco Nobile, Daniela Besozzi, Paolo Cazzaniga, Giancarlo Mauri, and Dario Pescini. A GPU-based multi-swarm PSO method for parameter estimation in stochastic biological systems exploiting discrete-time target series. In Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 73–84, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [ ] Flávio Pinheiro, Francisco Santos, and Jorge Pacheco. Tracking the evolution of cooperation in complex networked populations. In Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 85–95, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [ ] Leonardo Vanneschi, Matteo Mondini, Martino Bertoni, Alberto Ronchi, and Mattia Stefano. GeNet: A graph-based genetic programming framework for the reverse engineering of gene regulatory networks. In Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 96–107, Malaga, Spain, 11-13 April 2012. Springer Verlag.

- [ ] David L. González-Álvarez, Miguel A. Vega-Rodríguez, Juan A. Gómez-Pulido, and Juan M. Sánchez-Pérez. Finding motifs in DNA sequences applying a multiobjective artificial bee colony (MOABC) algorithm. In Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 108–119, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [ ] Qinxin Pan, Christian Darabos, and Jason H. Moore. The role of mutations in whole genome duplication. In Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 120–131, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [ ] Comparison of methods for meta-dimensional data analysis using in silico and biological data sets. In Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 132–143, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [ ] Sergio Santander-Jiménez, Miguel A. Vega-Rodríguez, Juan A. Gómez-Pulido, and Juan M. Sánchez-Pérez. Inferring phylogenetic trees using a multiobjective artificial bee colony algorithm. In Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 144–155, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [ ] Gualberto Asencio-Cortés, Jesús S. Aguilar-Ruiz, Alfonso E. Márquez-Chamorro, Roberto Ruiz, and Cosme E. Santiesteban-Toca. Prediction of mitochondrial matrix protein structures based on feature selection and fragment assembly. In Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 156–167, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [ ] Kesav Kancherla and Srinivas Mukkala. Feature selection for lung cancer detection using SVM based recursive feature elimination method. In Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 168–179, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [ ] Alexander Spirov, Nina Golyandina, David Holloway, Theodore Alexandrov, Ekaterina Spirova, and Francisco Lopes. 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 Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 180–191, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [ ] Delaney Granizo-Mackenzie and Jason H. Moore. Artificial immune systems perform valuable work when detecting epistasis in human genetic datasets. In Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 192–203, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [ ] Carrie Buchanan, John Wallace, Alex Frase, Eric Torstenson, Sarah Pendergrass, and Marylyn Ritchie. A biologically informed method for detecting associations with rare variants. In Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 204–215, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [ ] Clara Pizzuti, Simona E. Rombo, and Elena Marchiori. Complex detection in protein-protein interaction networks: a compact overview for researchers and practitioners. In Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary*

*Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 216–227, Malaga, Spain, 11-13 April 2012. Springer Verlag.

- [ ] Cosme E. Santiesteban-Toca, Alfonso E. Márquez-Chamorro, Gualberto Asencio-Cortés, and Jesús S. Aguilar-Ruiz. Short-range interactions and decision tree-based protein contact map predictor. In Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 228–237, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [ ] Alfonso E. Márquez-Chamorro, Federico Divina, Jesús S. Aguilar-Ruiz, Jaume Bacardit, Gualberto Asencio-Cortés, and Cosme E. Santiesteban-Toca. A NSGA-II algorithm for the residue-residue contact prediction. In Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 238–248, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [ ] W. B. Langdon and J. Arno. In silico infection of the human genome. In Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 249–252, Malaga, Spain, 11-13 April 2012. Springer Verlag.
- [ ] Francesco Cerutti, Luigi Bertolotti, Tony L. Goldberg, and Mario Giacobini. Improving phylogenetic tree interpretability by means of evolutionary algorithms. In Mario Giacobini, Leonardo Vanneschi, and William S. Bush, editors, *10th European Conference on Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics, EvoBIO 2012*, volume 7246 of *LNCS*, pages 253–256, Malaga, Spain, 11-13 April 2012. Springer Verlag.