

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, Malaga, Spain (11-13 April, 2012) Springer Verlag.
- [2] Manning, T. and Walsh, P. (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 1–12.
- [3] Manzoni, L., Castelli, M., and Vanneschi, L. (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 13–24.
- [4] Rosenbaum, L., Jahn, A., and Zell, A. (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 25–36.
- [5] Darabos, C., Giacobini, M., Hu, T., and Moore, J. H. (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 37–48.
- [6] Marini, S. and Conversi, A. (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 49–60.
- [7] Franken, H., Seitz, A., Lehmann, R., Häring, H.-U., Stefan, N., and Zell, A. (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 61–72.
- [8] Nobile, M., Besozzi, D., Cazzaniga, P., Mauri, G., and Pescini, D. (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 73–84.
- [9] Pinheiro, F., Santos, F., and Pacheco, J. (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 85–95.
- [10] Vanneschi, L., Mondini, M., Bertoni, M., Ronchi, A., and Stefano, M. (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 96–107.
- [11] González-Álvarez, D. L., Vega-Rodríguez, M. A., Gómez-Pulido, J. A., and Sánchez-Pérez, J. M. (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 108–119.

- [12] Pan, Q., Darabos, C., and Moore, J. H. (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 120–131.
- [13] (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 132–143.
- [14] Santander-Jiménez, S., Vega-Rodríguez, M. A., Gómez-Pulido, J. A., and Sánchez-Pérez, J. M. (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 144–155.
- [15] Asencio-Cortés, G., Aguilar-Ruiz, J. S., Márquez-Chamorro, A. E., Ruiz, R., and Santiesteban-Toca, C. E. (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 156–167.
- [16] Kancherla, K. and Mukkala, S. (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 168–179.
- [17] Spirov, A., Golyandina, N., Holloway, D., Alexandrov, T., Spirova, E., and Lopes, F. (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 180–191.
- [18] Granizo-Mackenzie, D. and Moore, J. H. (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 192–203.
- [19] Buchanan, C., Wallace, J., Frase, A., Torstenson, E., Pendergrass, S., and Ritchie, M. (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 204–215.
- [20] Pizzuti, C., Rombo, S. E., and Marchiori, E. (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 216–227.
- [21] Santiesteban-Toca, C. E., Márquez-Chamorro, A. E., Asencio-Cortés, G., and Aguilar-Ruiz, J. S. (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 228–237.

- [22] Márquez-Chamorro, A. E., Divina, F., Aguilar-Ruiz, J. S., Bacardit, J., Asencio-Cortés, G., and Santiesteban-Toca, C. E. (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 238–248.
- [23] Langdon, W. B. and Arno, J. (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 249–252.
- [24] Cerutti, F., Bertolotti, L., Goldberg, T. L., and Giacobini, M. (11-13 April, 2012) 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*, Malaga, Spain: Springer Verlag Vol. 7246 of LNCS, pp. 253–256.