

## DAFTAR PUSTAKA

- [1] D. Choi, H. Cho, and W. Rhee, "On the Difficulty of DNN Hyperparameter Optimization Using Learning Curve Prediction," *IEEE Region 10 Annual International Conference, Proceedings/TENCON*, vol. 2018-Octob, no. October, pp. 651–656, 2019.
- [2] Z. Yu, Z. Niu, W. Tang, and S. Member, "Deep Learning for Daily Peak Load Forecasting — A Novel Gated Recurrent Neural Network Combining Dynamic Time Warping," *IEEE Access*, vol. 7, pp. 17 184–17 194, 2019.
- [3] Y. Sun, A. Ben Ahmed, and H. Amano, "Acceleration of Deep Recurrent Neural Networks with an FPGA cluster," no. 4, pp. 1–4, 2019.
- [4] C. Yin, Y. Zhu, J. Fei, and X. He, "A Deep Learning Approach for Intrusion Detection Using Recurrent Neural Networks," vol. 5, 2017.
- [5] L. Kang, R.-s. Chen, N. Xiong, and C.-m. Chen, "Selecting Hyper-Parameters of Gaussian Process Regression Based on Non-Inertial Particle Swarm Optimization in Internet of Things," vol. 7, 2019.
- [6] I. Strumberger, E. Tuba, N. Bacanin, M. Zivkovic, M. Beko, and M. Tuba, "Designing convolutional neural network architecture by the firefly algorithm," *Proceedings - 2019 International Young Engineers Forum, YEF-ECE 2019*, pp. 59–65, 2019.
- [7] M. P. Ranjit, G. Ganapathy, K. Sridhar, and V. Arumugham, "Efficient Deep Learning Hyperparameter Tuning Using Cloud Infrastructure: Intelligent Distributed Hyperparameter Tuning with Bayesian Optimization in the Cloud," *2019 IEEE 12th International Conference on Cloud Computing (CLOUD)*, pp. 520–522, 2019.
- [8] A. Hoogi, A. Subramaniam, R. Veerapaneni, and D. L. Rubin, "Adaptive Estimation of Active Contour Parameters Using Convolutional Neural Networks and Texture Analysis," vol. 36, no. 3, pp. 781–791, 2017.
- [9] N. Emillia, Suyanto, and W. Maharani, "Isolated word recognition using ergodic hidden markov models and genetic algorithm," *Telkomnika*, vol. 10, no. 1, pp. 129–136, 2012. [Online]. Available: <http://journal.uad.ac.id/index.php/TELKOMNIKA/article/view/769>
- [10] Suyanto, *An informed genetic algorithm for university course and student timetabling problems*, 2010, vol. 6114 LNAI, no. PART 2. [Online]. Available: [https://doi.org/10.1007/978-3-642-13232-2\\_28](https://doi.org/10.1007/978-3-642-13232-2_28)
- [11] V. Clarissa and S. Suyanto, "New Reward-Based Movement to Improve Globally-Evolved BCO in Nurse Rostering Problem," in *ISRITI*, dec 2019, pp. 114–117. [Online]. Available: <https://ieeexplore.ieee.org/document/9034669>

- [12] A. Pertiwi and Suyanto, *Globally evolved dynamic bee colony optimization*, 2011, vol. 6881 LNAI, no. PART 1. [Online]. Available: [https://doi.org/10.1007/978-3-642-23851-2\\_6](https://doi.org/10.1007/978-3-642-23851-2_6)
- [13] G. K. Jati, H. M. Manurung, and Suyanto, “Discrete cuckoo search for traveling salesman problem,” in *2012 7th International Conference on Computing and Convergence Technology (ICCCCT)*, 2012, pp. 993–997.
- [14] S. Lalwani, H. Sharma, A. Verma, and R. Kumar, “Efficient discrete firefly algorithm for Ctrie based caching of multiple sequence alignment on optimally scheduled parallel machines,” vol. 4, pp. 92–100, 2019.
- [15] U. Abdillah and S. Suyanto, “Clustering Nodes and Discretizing Movement to Increase the Effectiveness of HEFA for a CVRP,” *International Journal of Advanced Computer Science and Applications (IJACSA)*, vol. 11, no. 4, pp. 774–779, 2020. [Online]. Available: [https://thesai.org/Downloads/Volume11No4/Paper\\_100-Clustering\\_Nodes\\_and\\_Discretizing\\_Movement.pdf](https://thesai.org/Downloads/Volume11No4/Paper_100-Clustering_Nodes_and_Discretizing_Movement.pdf)
- [16] F. Ghaisani and S. Suyanto, “Discrete Firefly Algorithm for an Examination Timetabling,” in *ISRITI*, dec 2019, pp. 1–4. [Online]. Available: <https://ieeexplore.ieee.org/document/9034668>
- [17] X.-S. Yang, Z. Cui, R. Xiao, A. H. Gandomi, and M. Karamanoglu, *Swarm Intelligence and Bio-Inspired Computation*. Elsevier Inc., 2013. [Online]. Available: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85013816320&doi=10.1016%2FC2012-0-02754-8&partnerID=40&md5=8f6271973c61d2eddabc47ad1048ed46>
- [18] G. K. Jati, R. Manurung, and S. Suyanto, *Discrete Firefly Algorithm for Traveling Salesman Problem: A New Movement Scheme*. Elsevier Inc., 2013. [Online]. Available: <http://dx.doi.org/10.1016/B978-0-12-405163-8.00013-2>
- [19] P. R. Lorenzo, J. Nalepa, L. S. Ramos, and J. R. Pastor, “Hyperparameter selection in deep neural networks using parallel particle swarm optimization,” *GECCO 2017 - Proceedings of the Genetic and Evolutionary Computation Conference Companion*, pp. 1864–1871, 2017.
- [20] A. E. R. ElSaid, F. El Jamiy, J. Higgins, B. Wild, and T. Desell, “Optimizing long short-term memory recurrent neural networks using ant colony optimization to predict turbine engine vibration,” *Applied Soft Computing Journal*, vol. 73, pp. 969–991, 2018.
- [21] R. Talal and Z. Tariq, “Training Recurrent Neural Networks by a Hybrid PSO-Cuckoo Search Algorithm for Problems Optimization,” *International Journal of Computer Applications*, vol. 159, no. 3, pp. 32–38, 2017.
- [22] T. Chakrabarti, U. Sharma, T. Chakrabarti, and S. K. Sarkar, “Extraction of efficient electrical parameters of solar cell using firefly and cuckoo search algorithm,” *India International Conference*

on *Power Electronics, IICPE*, vol. 2016-Novem, 2017.

[23] S. K. Shandilya, S. Shandilya, and A. K. Nagar, *Advances in Nature-Inspired Computing and Applications*. Springer International Publishing, 2019. [Online]. Available: [http://dx.doi.org/10.1007/978-3-319-96451-5\\_5](http://dx.doi.org/10.1007/978-3-319-96451-5_5)

[24] M. L. Lagunes, O. Castillo, J. Soria, M. Garcia, and F. Valdez, “Optimization of granulation for fuzzy controllers of autonomous mobile robots using the Firefly Algorithm,” *Granular Computing*, vol. 4, no. 2, pp. 185–195, 2019. [Online]. Available:

<http://dx.doi.org/10.1007/s41066-018-0121-6>

[25] C. Wang and X. Chu, “An Improved Firefly Algorithm With Specific Probability and Its Engineering Application,” *IEEE Access*, vol. 7, no. 2, pp. 57 424–57 439, 2019.

[26] M. P. I. for Biogeochemistry. (2020) Documentation weather station. [Online]. Available: <https://www.bgc-jena.mpg.de/wetter/>

[27] G. K. Jati and Suyanto, “Evolutionary Discrete Firefly Algorithm for Travelling Salesman Problem,” in *ICAIS 2011*, A. Bouchachia, Ed. Berlin, Heidelberg: Springer Berlin Heidelberg, 2011, pp. 393–403. [Online]. Available: [https://link.springer.com/chapter/10.1007/978-3-642-23857-4\\_38](https://link.springer.com/chapter/10.1007/978-3-642-23857-4_38)

[28] R. K. Tan and S. Bora, “Parameter tuning in modeling and simulations by using swarm intelligence optimization algorithms,” *Proceedings - 9th International Conference on Computational Intelligence and Communication Networks, CICN 2017*, vol. 2018-Janua, no. 2, pp. 148–152, 2018.

[29] A. Murad and J. Y. Pyun, “Deep recurrent neural networks for human activity recognition,” *Sensors (Switzerland)*, vol. 17, no. 11, 2017.

[30] L. Mou, S. Member, and P. Ghamisi, “Deep Recurrent Neural Networks for Hyperspectral Image Classification,” *IEEE Transactions on Geoscience and Remote Sensing*, vol. 55, no. 7, pp. 3639–3655, 2017.

[31] X. Zhang, S. Member, Y. Sun, K. Jiang, and C. Li, “Spatial Sequential Recurrent Neural Network for Hyperspectral Image Classification,” *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, vol. 11, no. 11, pp. 4141–4155, 2018.

[32] T. H. N. Le, K. G. Quach, and S. Member, “Reformulating Level Sets as Deep Recurrent Neural Network Approach to Semantic Segmentation,” *IEEE Transactions on Image Processing*, vol. 27, no. 5, pp. 2393–2407, 2018.

[33] S. A. R. Sentinel, D. Ho, T. Minh, D. Ienco, R. Gaetano, N. Lalande, E. Ndikumana, F. Osman, and P. Maurel, “Deep Recurrent Neural Networks for Winter Vegetation Quality Mapping via Multitemporal,” *IEEE Geoscience and Remote Sensing Letters*, vol. 15, no. 3, pp. 464–468, 2018.