

Списък на научните публикации
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Институт по роботика - БАН, обявен в ДВ бр. 39 от 13 май 2025 г.

1. Markova, V. (2013). Machine Learning and Decision Making in Autonomous Mobile Sensor Agent Framework. International Journal on Information Technologies and Security, Sofia, ISSN: 1336-1716, pp 189-196 ,
2. Markova, V., Shopov, V. (2018). APPLICATION OF DEEP LEARNING APPROACH IN SEQUENTIAL GAMES. International Conference on Information Technologies (InfoTech), Institute of Electrical and Electronics Engineers Inc., 2018, ISBN:978-153869521-0, DOI:10.1109/InfoTech.2018.8510746, pp 87-94. SJR (Scopus):0.15.
3. Markova, V, Shopov, V (2019). Knowledge Transfer in Reinforcement Learning Agent. International Conference on Information Technologies (InfoTech), IEEE, 2019, ISBN:978-1-7281-3275-4, DOI:10.1109/InfoTech.2019.8860881, SJR (Scopus):0.15 .
4. Markova V., Shopov V. (2020). Deep Learning Approach for Identification of Non-linear Dynamic Systems. International Conference on Information Technologies (InfoTech), IEEE, 2020, ISBN:978-1-7281-6915-6, DOI:10.1109/InfoTech49733.2020.9211060, pp 1-4.
5. Markova V., VShopov V. K. (2020) Deep Reinforcement Learning Approach for Building of Autonomous Robots Formations. International Conference on Information Technologies (InfoTech), IEEE, 2020, ISBN:978-1-7281-6915-6, DOI:10.1109/InfoTech49733.2020.9211059, pp 1-4.
6. Markova V. D., Shopov V. K. (2021). Multi-agent Consensus Convergence Study. International Conference on Information Technologies (InfoTech), 2021, ISBN:978-166540324-5, DOI:10.1109/InfoTech52438.2021.9548559, pp 1-4 ,
7. Shopov V. K., Markova V. D. (2021). Application of Hungarian Algorithm for Assignment Problem. International Conference on Information Technologies (InfoTech), 2021, ISBN:978-1-6654-0324-5, DOI:10.1109/InfoTech52438.2021.9548600, pp 1-4 ,
8. Markova V. D., Shopov V. (2022). A Method for initialization of clusters in Graph Partitioning on geometric graphs. AIP Conference Proceedings Tom 2449, 1 September 2022 Номер статьи 020011, 2449, American Institute of Physics Inc., 2022, ISBN:978-073544397-6, ISSN:0094243X, DOI:10.1063/5.0090663, SJR (Scopus):0.189
9. Shopov V. K., Markova V. D. (2019). Identification of Non-linear Dynamic System, International Conference on Information Technologies, InfoTech 2019 -IEEE, ISBN 978-172813274-7, DOI: 10.1109/InfoTech.2019.8860871, pp.146-149
10. Markova, V, Shopov, V. (2023). An Application of Artificial Potential Functions Method in the Robotic Formation Control. International Conference Automatics and Informatics (ICAI), IEEE, 2023, ISBN:979-8-3503-1291-1, DOI:10.1109/ICA158806.2023.10339078, pp 186-189