

Списък научни публикации от гл. ас. д-р. инж. Ясен Киров Паунски за участие в конкурс за доцент при ИР-БАН

I. Научни публикации в издания, които са реферирани и индексирани в световноизвестни бази данни с научна информация (показател Г7)

1. Paunski Y., "Designing a Novel Hydrogen Power System For Service Robots", C. R. Acad. Bulg. Sci., vol. 77, no. 9, Sept. 2024, ISSN: 1310–1331 (Print), 2367–5535 (Online) /в печат: in print/
2. N. Valchkova, R. Zahariev, G. Angelov, and Y. Paunski, "Methodology for Design of Hydrogen Robot for Medical Needs", C. R. Acad. Bulg. Sci., vol. 77, no. 8, pp. 1176–1184, Aug. 2024, ISSN: 1310–1331 (Print), 2367–5535 (Online)
<https://doi.org/10.7546/CRABS.2024.08.08>
3. I. Varbanov, Y. Paunski, G. Angelov, N. Valchkova and R. Zahariev, "Latency and Link Speed for Service Robot Control over Mobile Networks," 2024 5th International Conference on Communications, Information, Electronic and Energy Systems (CIEES), Veliko Tarnovo, Bulgaria, 2024, pp. 1-4, ISBN:979-8-3503-5286-3
<https://doi.org/10.1109/CIEES62939.2024.10811163>
4. N. Valchkova, R. Zahariev, C. Totomirova, G. Angelov, Y. Paunski and V. Cvetkov, "Approach to Designing a Mobile Service Collaborative Robot for Healthcare and Disadvantaged People", 2023 3rd International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME), Tenerife, Canary Islands, Spain, 2023, pp. 1-6, ISBN: 979-835032297-2
<https://doi.org/10.1109/ICECCME57830.2023.10252774>
5. Dimitrova, M., Bogdanova, G., Noev, N., Sabev, N., Angelov, G., Paunski, Y., Ekmekci, M.T., Krastev, A., "Digital Accessibility for People with Special Needs: Conceptual Models and Innovative Ecosystems," 2023 8th International Conference on Smart and Sustainable Technologies (SpliTech), Split/Bol, Croatia, 2023, pp. 1-5, ISBN:978-953-290-128-3.
<https://doi.org/10.23919/SpliTech58164.2023.10193524>
6. Y. Paunski and G. Angelov, "Embedded Power Management System for Mobile Service Robots," 2022 XXXI International Scientific Conference Electronics (ET), Sozopol, Bulgaria, 2022, pp. 1-4, ISBN:978-166549878-4
<https://doi.org/10.1109/ET55967.2022.9920299>
7. Eftimov PB, Yokoi N, Peev N, Paunski Y, Georgiev GA. "Relationships between the material properties of silicone hydrogels: Desiccation, wettability and lubricity."" Journal of Biomaterials Applications, 2020, vol 35(8), pp. 933-946, ISSN: 0885-3282, Online ISSN: 1530-8022.
<https://doi.org/10.1177/0885328220967526>
8. Zahariev R., Valchkova N., Angelov G., Paunski Y., Krastev A., "Robots for help in pedagogy and rehabilitation: Cyber-physical systems for pedagogical rehabilitation", ACM International Conference Proceeding Series, 2019, pp. 1 - 7, ISBN: 978-1-4503-7149-0.
<https://doi.org/10.1145/3345252.3345253>

9. Yassen K. Paunski, Georgi Ts. Angelov, "Performance and power consumption analysis of low-cost single board computers in educational robotics", IFAC-PapersOnLine, 2019, Volume 52(25), pp. 424-428, ISSN 2405-8963.
<https://doi.org/10.1016/j.ifacol.2019.12.575>

II. Научни публикации в нереферирани списания с научно рецензиране или в редактирани колективни томове (показател Г8)

1. Angelov G., Paunski, Y., "User Interfaces for Service Robots – Perspectives and Challenges", Complex Control Systems, 2024, vol. 8, pp. 1-4, Institute of Robotics - BAS, ISSN: 2603-4697
<http://ir.bas.bg/ccs/2024/08/2.pdf>

2. Angelov G., Paunski, Y., "Voice Controlled Interface for ROS Service Robot in Healthcare", Complex Control Systems, 2024, vol. 8, pp. 1-4, Institute of Robotics - BAS, 2024; ISSN: 2603-4697
<http://ir.bas.bg/ccs/2024/08/3.pdf>

3. Paunski, Y., Angelov G., "Optimizing Mobile Service Robot Power Systems: Utilizing Li-Ion Batteries with USB Power Delivery Interface", Complex Control Systems, 2024, vol. 8, pp. 1-4, Institute of Robotics - BAS, 2024; ISSN: 2603-4697
<http://ir.bas.bg/ccs/2024/08/10.pdf>

4. Върбанов И., Ангелов Г., Паунски Я., "Латентност на мобилната мрежа при управление на сервизен робот в здравеопазването", Complex Control Systems, 2025, vol.9, special issue, pp. 193-196, ISSN 1310-8255.

5. Valchkova N., Zahariev R., Angelov G., Paunski Y., Varbanov I., "МОБИЛЕН КОЛАБОРАТИВЕН РОБОТ С ВИСОКА ПРОХОДИМОСТ ЗА АНТИТЕРОРИСТИЧНИ ОПЕРАЦИИ." сп. „Морски Научен Форум“, 2024, vol. 10(1) pp.129-137, ISSN 3033-1889.
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7. Вълчкова Н., Захариев Р., Ангелов Г., Паунски Я., "Колаборативните роботи - иновативно решение за внедряване в здравеопазването", Complex Control Systems, 2025, vol.9, special issue, pp. 30-36, ISSN 1310-8255

8. Petrov E., Angelova S., Raykov P., Paunski Y., "Autonomous Controller for an Active Elbow Orthosis", Complex Control Systems, 2023, vol. 6, pp. 1-4, Institute of Robotics - BAS, ISSN: 2603-4697
<https://robomed.bg/wp-content/uploads/2023/04/Autonomous-Controller-for-an-Active-Elbow-Orthosis.pdf>

9. Valchkova N., Zahariev R., Angelov G., Paunski J., "Study of the Ethics in the Implementation of Collaborative Robots in the Training of Disadvantaged People", Proceedings of the Basque Conference on Cyber-Physical Systems and Artificial Intelligence., Basque Conference on Cyber-Physical Systems and Artificial Intelligence., 2022, pp. 275-285.
<https://doi.org/10.5281/zenodo.7039276>

10. Zahariev R., Valchkova N., Angelov G., Paunski J.. "Design of Mobile Service Robots like Cyber Physical Systems for Pedagogical Rehabilitation in Special Education". Proceedings of the Basque Conference on Cyber-Physical Systems and Artificial Intelligence., Basque Conference on Cyber-Physical Systems and Artificial Intelligence., 2022, pp. 261-272.
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11. Zahariev R., Valchkova N., Angelov G., Paunski Y., "Organization of Control and Collection of Environmental Information of Service Robots for People with Disabilities", Problems of Engineering Cybernetics and Robotics, Vol. 74, 2020, pp. 3-12, BULGARIAN ACADEMY OF SCIENCES, ISSN: 2738-7364.
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12. Angelov G., Paunski Y., Zahariev R., Valchkova N., „Designing A Web Based Software Control System For Service Robot And Sequence Programming Using Scripting Language Editor“, Complex Control Systems, 2018, Vol. 1, pp. 70-73, ISSN: 2603-4697.
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14. Zahariev R., Valchkova N., Angelov G., Paunski Y., „Cognitive Service Mobile Robots For Help Of Disabled People“, Complex Control Systems, 2018, Vol. 1, pp. 74-79, ISSN: 2603-4697.
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