

Списък научни публикации от гл. ас. д-р. инж. Георги Цветанов Ангелов 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. Angelov G., **"Green Hydrogen Generation Applied in Field Mobile Robots"**, (2025) Comptes Rendus de L'Academie Bulgare des Sciences; 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.
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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. 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>
8. 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>
9. Matsaridis, E., Angelov, G., Savov, **"Computerized impedimeter and its application to investigation of biomimetic lipid membrane"**, V., Comptes Rendus de L'Academie Bulgare des Sciences, 2007, 60 (12), pp 1289-1294; ISSN 1310–1331.
https://www.proceedings.bas.bg/content/2007_c_content.html
10. Matsaridis, E.K., Angelov, G.C., Savov, V.M., **"Phase transitions in model lipid-impregnated filter membranes"**, AIP Conference Proceedings, 2007, 899, pp 818; ISSN:0094-243X; E-ISSN:1551-7616
<https://doi.org/10.1063/1.2733559>

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

1. Angelov G., Dimitrova M., "**Human-robot interaction in educational and healthcare service robots**", Complex Control Systems, 2025, vol. 9, pp. 1-5, Institute of Robotics - BAS, ISSN: 2603-4697
<http://ir.bas.bg/ccs/2025/09/6.pdf>
2. 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>
3. 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>
4. 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>
5. 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.
6. Valchkova N., Zahariev R., Angelov G., Paunski Y., Varbanov I., "МОБИЛЕН КОЛАБОРАТИВЕН РОБОТ С ВИСОКА ПРОХОДИМОСТ ЗА АНТИТЕРОРИСТИЧНИ ОПЕРАЦИИ." списание „Морски Научен Форум“, 2024, vol. 10(1) pp.129-137, ISSN 3033-1889.
<https://doi.org/10.63662/5stkwe27>
7. Паунски Я., Ангелов Г., Захариев Р., Вълчкова Н., "**Мобилна платформа с вградена система за управление през TCP/IP с приложение в сервизните работи**", Complex Control Systems, 2025, vol.9, special issue, pp. 37-39, ISSN 1310-8255
8. Вълчкова Н., Захариев Р., Ангелов Г., Паунски Я., "**Колаборативните работи - иновативно решение за внедряване в здравеопазването**", Complex Control Systems, 2025, vol.9, special issue, pp. 30-36, ISSN 1310-8255
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.
<https://doi.org/10.5281/zenodo.7039276>

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.
<https://www.iict.bas.bg/pecr/2020/74/1-PECR-3-12.pdf>
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.
http://ir.bas.bg/ccs/2018/13_angelov.pdf
13. Y. Paunski, G. Angelov, R. Zahariev, N. Valchkova, **„Embedded Lithium-Ion Battery Management And Charging Solutions For Mobile Service Robots“**, Complex Control Systems, 2018, Vol. 1, pp. 64-69, ISSN: 2603-4697.
http://ir.bas.bg/ccs/2018/121_paunski.pdf
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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