

СПИСЪК НА ПУБЛИКАЦИИТЕ
на доц. д-р Камен Кръстев Делчев,
представени за участие в конкурс за професор по професионално направление
4.5. Математика (Приложна механика и Роботика),
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- 1(27). Delchev K., Robust Learning Control of Robot Manipulators: An Algorithm of Learning-Operator Synthesis., Научни известия на НТС, ISSN1310-3946, Година IX, Брой 5, pp. 2.35-2.41, Октомври (2002).
- 2(30). Delchev K. Robust Learning Control with Given Tracking Error of Robot Manipulators, Journal of Theoretical and Applied Mechanics, Bulgarian Academy of Sciences, Sofia, Bulgaria, No 1, pp. 45-54, (2004).
- 3(34). Delchev K., Learning Control of Horizontal Robot Arms, Proceedings of the 10th National Congress on Theoretical and Applied Mechanics, Vol. 2, Varna, 13-16 Sept. 2005, pp. 17-22, (2005).
- 4(49). Delchev K., Zahariev E., Computer simulation based synthesis of learning control low of robots, Mechanics Based Design of Structures and Machines, Taylor & Francis Group, Vol. 36, No. 3, pp. 225 – 248 , (2008).
- 5(50). Kamen Delchev, George Boyadjiev, Synthesis and Computer Simulation of Learning Control of Horizontal Robot Arm, Proceedings of the 9th IFAC International Symposium on Robot Control (SYROCO 2009), Gifu Japan, September 9-12, 2009, pp 301-306, (2009).
- 6(67). Delchev K., Simulation-based design of monotonically convergent iterative learning control for nonlinear systems, Archives of Control Sciences, Volume 22(LVIII) No. 4, (2012) pp. 371–384.
- 7(71). Delchev K., Iterative learning control for nonlinear systems: A bounded-error algorithm, Asian Journal of Control 15 (2) , pp. 453-460 (2013).
- 8(79). Delchev K., Iterative learning control for robotic manipulators: A bounded-error algorithm, International Journal of Adaptive Control and Signal Processing, 28, pp. 1454–1473 (2014). DOI: 10.1002/acs.2454
- 9(82). Delchev K., Boiadjiev G., Kawasaki, H., Mouri T., Iterative learning control with sampled-data feedback for robot manipulators, Archives of Control Sciences, Volume 24(LX) No. 3, (2014) pp. 257–277.
- 10(91). Yovchev, Kaloyan, Kamen Delchev, and Evgeniy Krastev. "Computer Simulation of Bounded Error Algorithm for Iterative Learning Control." Advances in Robot Design and Intelligent Control, Series Title Advances in Intelligent Systems and Computing, Springer International Publishing, Series Volume 540, pp 136-143, 2017. DOI 10.1007/978-3-319-49058-8_15. Print ISBN 978-3-319-49057-1. Online ISBN 978-3-319-49058-8. Series ISSN: 2194-5357.
- 11(95). Yovchev, Kaloyan, Kamen Delchev, and Evgeniy Krastev. "State Space Constrained Iterative Learning Control for Robotic Manipulators." Asian Journal of Control (2018). Online ISSN: 1934-6093 DOI: 10.1002/asjc.1680

- 12(60). T. Boiadjiev, K. Zagurski, G. Boiadjiev, K. Delchev, V. Vitkov, I. Veneva, R. Kastelov, "Identification of Bone Structure During Automatic Drilling in Orthopedic Surgery", *Mechanics Based Design of Structures and Machines*, Vol. 39(2), pp 285 – 302, DOI: 10.1080/15397734.2011.550863, (2011).
- 13(74). Boiadjiev, G., Kastelov, R., Boiadjiev, T., Kotev, V., Delchev, K., Zagurski, K., Vitkov, V., Design and performance study of an orthopaedic surgery robotized module for automatic bone drilling, *International Journal of Medical Robotics and Computer Assisted Surgery*, 9(4), pp. 455–463. DOI: 10.1002/rcs.1479 (2013). ISSN: 1478-5951
- 14(75). George Boiadjiev, Vladimir Kotev, Kazimir Zagurski, Kamen Delchev, Tony Boiadjiev, Rumen Kastelov, Robotized System for Bone Drilling and Cutting in Orthopedic Surgery, *Advanced Materials Research*, 740, pp. 92-98 (2013).
- 15(90). Boiadjiev T., G. Boiadjiev, K. Delchev, K. Zagurski, R. Kastelov, "Far cortex automatic detection aimed for partial or full bone drilling by a robot system in orthopaedic surgery", *Biotechnology & Biotechnological Equipment*, Vol. 31, No. 1, pp. 200–205, 2017, Print ISSN: 1310-2818 Online ISSN: 1314-3530. DOI: 10.1080/13102818.2016.1234947.
- 16(93). Tony Boiadjiev, Rumen Kastelov, George Boiadjiev, Kamen Delchev & Kazimir Zagurski, "Automatic bone drilling by femoral head structure detection", *Biotechnology & Biotechnological Equipment*, 2017, Print ISSN: 1310-2818 Online ISSN: 1314-3530. DOI: 10.1080/13102818.2017.1407256
- 17(26). Mitutsova L., K. Delchev, V. Vitkov, O. Nikitin, Design of an Experimental Biomechanical Stimulator for the Recuperation of the Support-Locomotion Apparatus under a Spinal Cord Injury., *J. Engineering Mechanics*, Association for Engineering Mechanics, Czech Republic, ISSN 1210-2717, Vol. 9, No. 3, pp. 117-122, (2002).
- 18(37). Mitutsova L., Chavdarov I., Delchev K., Vitkov V., Yaroshevsky V., Serbenjuk N., Nikitin O. Biomechanical system "LOCOSTIM" for scientific-experimental study of the regeneration of spinal cord locomotion capabilities after traumatic break. *Proceed. of 10 th National Congress on Theoretical and Applied Mechanics*, 13 – 16 Sept 2005, Varna, Vol 2, pp. 150-155, (2005).
- 19(41). Platonov A., Mitutsova L., Delchev K., Vitkov V., Chavdarov I., Latkovski V., Yaroshevsky V., Nikitin O. Developmen of a mechatronic system "GAITSIM" for biomechanical rehabilitation of patients paraplegics. *J. Engineering mechanics*, Association for Engineering Mechanics, Engineering Academy of the Czech Republic, ISSN 1802-1484, Vol. 14, No. 4, pp. 249-258, (2007).
- 20(55). Aleksandr Platonov, Lidia Ilieva-Mitutsova, Oleg Nikitin, Kamen Delchev, Ivan Chavdarov, Vladimir Vitkov, Viktor Yaroshevsky, Nikolaj Serbenjuk, A biomechanical complex for locomotor therapy of patients with spinal cord pathology, *Proceedings of the 11th National Congress on Theoretical and Applied Mechanics (September 2-5 2009) Borovets, Bulgaria*, ISSN: 1313-9665, 84-206-2-PB , (2009).
- 21(20). Гълъбов В., Н. Николов, Г. Славов, К. Делчев, И. Аврамов, Вл. Димитров, Резултати от усъвършенстване на специализирани работи "GRIPMAT", *Механика на машините*, No 25, ТУ Варна, 1999, pp. 41-46.