

- [6] M. Kabel. (2016). High Speed Laser Diode Driver. DOI: 10.13140/RG.2.2.30013.15841.
- [7] M. Thompson, and M. Schlecht. (1997). High power laser diode driver based on power converter technology, IEEE Transactions on Power Electronics, vol. 12, no. 1, pp. 46-52, Jan. 1997, DOI: 10.1109/63.554168.
- [8] A. Stylogiannis, L. Prade, A. Buehler, J. Aguirre, G. Sergiadis, and V. Ntziachristos. (2018). Continuous wave laser diodes enable fast optoacoustic imaging, Photoacoustics, Volume 9, 2018, Pages 31-38, ISSN 2213-5979, DOI: <https://doi.org/10.1016/j.pacs.2017.12.002>.
- [9] N. Denev, I. Iliev, and S. Gocheva-Ilieva. (2013). Second-Degree Polynomial Model of Laser Generation for a CuBr Laser, WSEAS Transactions on Circuits and Systems, Issue 4, Volume 12, April 2013, pp. 129-139, E-ISSN: 2224-266X.
- [10] S.-Y. Cho. (2019). Locating Laser Sensors for Projector Touch Screens using Trigonometric Methods, WSEAS Transactions on Mathematics, Volume 18, 2019, pp. 147-152, ISSN / E-ISSN: 1109-2769 / 2224-2880.
- [11] S. Kristiyana, and D. Dwanurendra. (2020). Laser Guiding of Three Phase Tesla Coil High Voltage Discharges, WSEAS Transactions on Electronics, Volume 10, 2020, Art. #7, pp. 54-59, ISSN / E-ISSN: 1109-9445 / 2415-1513, DOI: 10.37394/232017.2020.11.7.
- [12] M. Anarghya, S. Nitish, R. Yatheesha, and B. Gurumurthy, (2016). Investigation of CO2 Laser Drilled Micro Holes for Heat Affected Zone and Structural Integrity in CFRP Composites, International Journal of Materials, Volume 3, 2016, pp. 33-43, ISSN: 2313-0555.
- [13] L. Sykorova, and O. Suba. (2011). The Transient Temperature Field Simulation of Polymeric Materials During Laser Machining, International Journal of Mechanics, Issue 1, Volume 5, 2011, pp., 234-241, ISSN: 1998-4448.
- [14] H. Vašková. (2011). A powerful tool for material identification: Raman spectroscopy, International Journal of Mathematical Models and Methods in Applied Sciences, Issue 1, Volume 5, 2011, pp. 1205-1212, ISSN: 1998-0140.
- [15] E. Paunova-Hubenova, V. Terzieva, S. Dimitrov, and Y. Boneva. (2018). Integration of Game-Based Teaching in Bulgarian Schools – State of Art. Proc. of 12th European Conference on Game-based Learning ECGBL 2018, October 4-5 2018, Sophia Antipolis, France, pp. 516-525, ISSN 2049-0992.
- [16] T. Savov, V. Terzieva, and K. Todorova. (2018). Computer Vision and Internet of Things: Attention System in Educational Context. Proc. of the 19th International Conference on Computer Systems and Technologies (CompSysTech'18), Boris Rachev and Angel Smrikarov (Eds.). ACM, New York, NY, USA., 13-14 September 2018, Ruse, Bulgaria, pp. 171-177, DOI: 10.1145/3274005.3274014.
- [17] Y. Boneva. (2018). Optimization of Car Traffic Flow on Intersections Regulated by Traffic Lights Through the Simulation Environment AIMSUN. Academic journal Mechanics Transport Communications, ISSN 1312-3823 (print), ISSN 2367-6620 (online), Vol. 16, issue 2, 2018, Todor Kableshkov University of Transport, Bulgaria, pp. I-1-I-9, URL: <https://mtc-aj.com/library/1663.pdf>.
- [18] A. Alexandrov, and V. Monov. (2017). Method for indoor localization optimization of AoA based mobile devices. Proc. of 12th Annual Meeting of the Bulgarian Section of SIAM BGSIAM'17, December 20-22, 2017, Sofia, Bulgaria, 2017, ISSN:1313-3357.
- [19] A. Alexandrov, and V. Monov. (2018). Method for Adaptive Node Clustering in AD HOC Wireless Sensor Networks. Vishnevskiy V., Kozyrev D. (eds) Distributed Computer and Communication Networks. DCCN 2018. Communications in Computer and Information Science, vol. 919, Springer, Cham, ISBN: 978-3-319-99447-5, DOI: 10.1007/978-3-319-99447-5_22.
- [20] A. Alexandrov, and V. Monov. (2014). ZigBee smart sensor system with distributed data processing. Proc. of the 7-th IEEE Conference Intelligent Systems, Warsaw Poland, Vol. 2, pp. 259-268, September 24-28, 2014., Advances in Intelligent Systems and Computing, Springer, vol. 323, ISBN 978-3-319-11309-8, DOI: 10.1007/978-3-319-11310-4_23.
- [21] V. Ivanova, D. Bachvarov, and A. Boneva. (2018). An Advanced Robot System for Diagnostic and Therapeutics Tasks with Application in Laparoscopic Surgery. Journal of Computer Engineering & Information Technology, Vol. 7, Issue 2, ISSN: 2324-9307 (Online), DOI: 10.4172/2324-9307.1000198, SciTechnol, 2018, London, United Kingdom, pp. 1-9.
- [22] S. Ilchev, R. Andreev, and Z. Ilcheva. (2019). Ultra-Compact Laser Diode Driver for the Control of Positioning Laser Units in Industrial Machinery. IFAC Papers Online, Edited by Larry Stapleton, Peter Kopacek, Andon Topalov, Vol. 52, Issue 25, 2019, ISSN 2405-8963, pp. 435-440 and Proc. of 19th IFAC Conference on Technology, Culture and International Stability (TECIS 2019), 26-28 Sep. 2019, Sozopol, Bulgaria, DOI: 10.1016/j.ifacol.2019.12.577.

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