

2021

Journal papers

1. Gabrousenko Y., Taranenko A., Yanovsky F., Zavhorodnii S., "Modeling of the Cellular Communication system coverage area taking into account the external details of the terrain", *International Journal of Modern Education and Computer Science*, Volume 13, Issue 4, Pages 35 – 44, August 2021. DOI: 10.5815/ijcnis.2021.04.04 (Scopus)
2. Olga Shcherbyna, Maksym Zaliskyi, Olena Kozhokhina, Felix Yanovsky, "Prospect for Using Low-Element Adaptive Antenna Systems for Radio Monitoring Stations", *International Journal of Computer Network and Information Security (IJCNIS)*, Vol.13, No.5, pp.1-17, 2021. DOI: 10.5815/ijcnis.2021.05.01 (Scopus)

Conference papers

3. Sushchenko, O., Bezkorovainyi, Y., Colitsyn, V., Yanovsky, F., "Modeling possibility to increase measuring range of MEMS inertial unit," *2021 IEEE 16th International Conference on the Experience of Designing and Application of CAD Systems, CADSM 2021 - Proceedings, 2021*, pp. 10–14, DOI: 10.1109/CADSM52681.2021.9385260 (Scopus)
4. Ostroumov, I., Kuzmenko, N., Sushchenko, O., ...Yanovsky, F., Zaliskyi, M., "Ukrainian navigational aids network configuration estimation," *2021 IEEE 16th International Conference on the Experience of Designing and Application of CAD Systems, CADSM 2021 - Proceedings, 2021*, pp. 5–9, DOI: 10.1109/CADSM52681.2021.9385226 (Scopus)
5. Ivashchuk, O., Ostroumov, I., Kuzmenko, N., ...Yanovsky, F., Shcherbyna, O., "A configuration analysis of Ukrainian flight routes network," *2021 IEEE 16th International Conference on the Experience of Designing and Application of CAD Systems, CADSM 2021 - Proceedings, 2021*, pp. 6–10, DOI: 10.1109/CADSM52681.2021.9385263 (Scopus)
6. Maksym Zaliskyi, Oleksandr Solomentsev, Nataliia Kuzmenko, Felix Yanovsky, Olga Shcherbyna, Olha Sushchenko, Ivan Ostroumov, and Yuliya Averyanova, "Sequential Method of Reliability Parameters Estimation for Radio Equipment," *2021 IEEE 12th International Conference on Electronics and Information Technologies (ELIT), 2021*, pp. 37-40, doi: 10.1109/ELIT53502.2021.9501099. (Scopus)
7. Olga Shcherbyna, Maksym Zaliskyi, Oleksandr Solomentsev, Nataliia Kuzmenko, Felix Yanovsky, Ivan Ostroumov, Yuliya Averyanova, and Olha Sushchenko, "Diagnostic Process Efficiency Analysis for Block Diagram of Electric Field Parameters Meter," *2021 IEEE 12th International Conference on Electronics and Information Technologies (ELIT), 2021*, pp. 5-9, doi: 10.1109/ELIT53502.2021.9501136. (Scopus)
8. O. Sushchenko, Felix Yanovsky, O. Solomentsev, . N. Kuzmenko, Yu. Averyanova, M. Zaliskyi, I. Ostroumov, O. Shcherbyna, "Design of Robust Control System for Inertially Stabilized Platforms of Ground Vehicles," *IEEE EUROCON 2021 - 19th International Conference on Smart Technologies, 2021*, pp. 6-10, doi: 10.1109/EUROCON52738.2021.9535612. (Scopus)
9. O. Sushchenko, Felix Yanovsky et al, "Gimballed Attitude and Heading Reference System for Marine Vehicles," *2021 IEEE 3rd Ukrainian Conference on Electrical and Computer Engineering (UKRCON), 2021, August 25-27. (Scopus)*
10. Yu. Averyanova, F. Yanovsky, O. Shcherbina, I. Ostroumov, N. Kuzmenko, M. Zaliskyi, O.Solomentsev, O. Sushchenko, "Polarimetric radar drop size evaluation for wind speed estimate based on Weber criterion," *Signal Processing Symposium, SPSympo 2021, Lodz, Poland, Sep, 21-23, 2021. (Scopus)*
11. O. Solomentsev, M. Zaliskyi, I. Yashanov, O. Shcherbyna, O. Sushchenko, F. Yanovsky, I. Ostroumov, Yu. Averyanova, N. Kuzmenko, "Substantiation of Probability Characteristics for Efficiency Analysis in the Process of Radio Equipment Diagnostics," *2021 IEEE 3rd Ukraine Conference on Electrical and Computer Engineering (UKRCON), 2021*, pp. 535-540, doi: 10.1109/UKRCON53503.2021.9575603. (Scopus)

12. F. J. Yanovsky, "UKRCON and IEEE in Ukraine Welcoming word to UKRCON 2021," *2021 IEEE 3rd Ukraine Conference on Electrical and Computer Engineering (UKRCON)*, 2021, pp. 1-4, doi: 10.1109/UKRCON53503.2021.9575532. (Scopus)

Доповідь на конференції в Австрії

13. Rafat Al Afif, Emir Aznakayev, Valery Karpenko, Denis Navrotskyi, Christoph Pfeifer, Felix Yanovsky, "Development of electronic control system and computer programs for the production of biogas from biomass," *Proceedings of SEEP2021 (13th International Conference on Sustainable Energy & Environmental Protection)*, 13-16 September 2021, BOKU, Vienna, Austria, pp.179-185. <https://seepconference.com/>

Доповіді на конференціях (тези):

14. О. Щербина, Ф. Яновський, М. Заліський. "Prospects for Using Adaptive Antenna Systems for Radio Monitoring Stations," *International Symposium on Network Security and Communications (ISNSC 2021)*, 5-6 June, Kyiv, Ukraine.
15. Ф. Яновський, Є. Габрусенко, А. Тараненко, С. Завгородній. "Model of the Cellular Communication System Coverage Area," *International Symposium on Network Security and Communications (ISNSC 2021)*, 5-6 June, Kyiv, Ukraine.
16. Felix J. Yanovsky, "Methods for retrieving information about remote objects from received signals," Keynote speech at the *International Symposium on Unmanned Systems and The Defense Industry (ISUDEF)*, 26 Oct 2021, Howard University, Washington DC, USA. <https://isudef.org/keynote-speakers/>