

2017

### Наукові статті у працях міжнародних конференцій, що входять у Scopus

1. Yuliya Averyanova, Anna Rudiakova, and Felix J. Yanovsky, "Segregating deformation of scattering rain-drops using several receive antennas with different polarization angles", *2017 18th International Radar Symposium (IRS) Proceedings*, Prague, Czech Republic, pp. 1-6, 2017. DOI: 10.23919/IRS.2017.8008260. (Scopus)
2. Yevhen Chervoniak, Rustem Sinitsyn, Felix Yanovsky, Vitaliy Makarenko, Vadim Tokarev, Oleksandr Zaporozhets, "Signal Processing in Passive Acoustic Location for Aircraft Detection," *Proceedings Signal Processing Symposium (SPSimp0 2017)*, Poland, pp. 307-311, 2017. DOI: 10.1109/SPS.2017.8053696 (Scopus)
3. Yuliya Averyanova, Anna Rudiakova, Felix Yanovsky, "Multi-Polarization Approach to Liquid Hydrometeors' Vibration Discrimination in Presence of Turbulence," *Proceedings Signal Processing Symposium (SPSimp0 2017)*, Poland, pp.91-94, 2017. DOI: 10.1109/SPS.2017.8053653 (Scopus)
4. Yevhen Chervoniak, Rustem Sinitsyn, Felix Yanovsky, Vitaliy Makarenko, Vadim Tokarev, Oleksandr Zaporozhets, "Algorithm of Passive Acoustic Locator Data Processing for Flying Vehicle Detection and Tracking," *Proceedings, Microwaves, Radar and Remote Sensing Symposium MRRS 2017*, Kiev, Ukraine, pp. 43-48, 2017. DOI: 10.1109/MRRS.2017.8075021 (Scopus)
5. Yuliya Averyanova, Anna Rudiakova, and Felix J. Yanovsky, "Multi-Polarization Approach to Operative Dangerous Atmospheric Phenomena Detection," *Proceedings, Microwaves, Radar and Remote Sensing Symposium (MRRS-2017)*, Kiev, Ukraine, pp. 245-248, 2017. DOI: 10.1109/MRRS.2017.8075073 (Scopus)
6. F.J. Yanovsky, "Spectral-Polarimetric Approach Enhancement and Signal Processing Operational Techniques for Remote Sensing of the Atmosphere. Brief Overview" (Keynote paper), *The Second International Conference on Information and Telecommunication Technologies and Radio Electronics (UkrMiCo'2017)*, Odessa, pp. 1-6, 2017. DOI: 10.1109/UkrMiCo.2017.8095361 (Scopus)
8. A.N. Rudiakova, Y.A. Averyanova, and F.J. Yanovsky, "Operational Approach for Doppler-Polarimetric Estimating Intensity of Turbulence in Rain," *Proceedings of the 14th European Radar Conference (EuRAD-2017)*, 11–13 Oct 2017, Nuremberg, Germany, pp. 21-24, 2017. DOI: 10.23919/EURAD.2017.8249137 (Scopus)
9. Anna N. Rudiakova, and Felix J. Yanovsky, "The Doppler-Polarimetric Meteorological Radar Signal Spectra Model Enhancement for the Snow Case," *2017 IEEE International Conference on Microwaves, Antennas, Communications and Electronic Systems (COMCAS)*. Proceedings, Tel Aviv, pp.131-134, 2017. DOI: 10.1109/COMCAS.2017.8244827 (Scopus)

### Тези доповідей, доповіді

10. F. J. Yanovsky, "Recent research results of the National Aviation University in the field of electronics and radioelectronic systems," (Keynote paper), *The 5th IEEE Workshop on Advances in Information, Electronic and Electrical Engineering (AIEEE'2017)*, November 24 - 25, 2017, Riga, Latvia, Abstract book, 2017, 1 p.
11. F. J. Yanovsky, "Spectral polarimetric radar as a prospective source of remote meteorological information for sustainable aviation," (Keynote paper), *International Symposium on Sustainable Aviation ISSA-2017*, 10 – 13 September 2017, Kiev, Ukraine, Abstract book, 1 p.