

2005

Статті у закордонних престижних журналах

1. F.J. Yanovsky, H.W.J. Russchenberg, and C.M.H. Unal. Retrieval of Information About Turbulence in Rain by Using Doppler-Polarimetric Radar. *IEEE Transactions on Microwave Theory and Techniques*, Feb., Vol. 53, No 2, 2005, pp. 444 – 450.

Статті у вітчизняних фахових журналах

2. R.B. Sinitsyn, A.J. Beletsky, F.J. Yanovsky. Noise Signal for Sodar Applications. *Applied Radio Electronics*, Vol.4, No1, 2005, pp. 107-110.

3. І.М. Браун, Ф.Й. Яновський. Аналіз даних експериментальних досліджень поляризаційних параметрів радіолокаторів для безпечної навігації в умовах граду. *Вісник Національного Авіаційного Університету*, 2005, №1, с. 55-59.

4. Ю.А. Аверьянова, А.А. Аверьянов, Ф.И. Яновский. “Можливості використання поляриметричних радіолокаційних параметрів для визначення характеристик вітру”, *Вісник НАУ - К.: НАУ*, 2005. Том 4. - С. 34-39.

Статті у працях міжнародних конференцій

5. V.P. Babak, V.H. Kharchenko, and F.J. Yanovsky. Elimination of Unauthorized Access to the Flight Control by Using Secondary Radar System. *Proc. 2nd International Workshop on Intelligent Transportation (WIT 2005)*, Hamburg, March, 2005, pp. 83-88.

6. V.V. Belkin, F.J. Yanovsky. Aircraft Traffic Collision Avoidance System. *Proc. 2nd International Workshop on Intelligent Transportation (WIT 2005)*, Hamburg, March, 2005, pp. 195-200.

7. F.J. Yanovsky, D.N. Glushko, and A. Lawama. Flight Safety: Passive Measurement of the Distance to Lightning Source from an Airplane. *Proc. 2nd International Workshop on Intelligent Transportation (WIT 2005)*, Hamburg, March, 2005, pp. 181-186.

8. F.J. Yanovsky, I.G. Prokopenko, and L.P. Ligthart. Experimental Check of Adaptive Algorithms for Turbulence Detection. *Proceedings Signal Processing Symposium SPS 2005*, 3-5 June 2005, Wilga Village, Poland, 6 p. (CDROM).

9. A. Lawama and F. Yanovsky. Processing of Atmospheric Signals to Extract Range Information. *Proceedings Signal Processing Symposium SPS 2005*, 3-5 June 2005, Wilga Village, Poland, 6 p. (CDROM).

10. F.J. Yanovsky. Early Warning of Weather Hazards. *Fifth AFES-PRESS workshop, Bonn*, 2005, 85 p. at the website: www.afes-press-books.de/pdf/Bonn/Yanovsky_present.pdf

11. F.J. Yanovsky. Evolution and Prospects of Airborne Weather Radar Functionalty and Technology. *Conference Proceedings 18th International Conference on Applied Electromagnetics and Communications ICECom 2005*, 12-14 October, Dubrovnik, Croatia, 2005, pp. 349-352.

12. V.I. Pokrovsky, V.V. Belkin, F.J. Yanovsky. Airborne Weather Radar for Windshear Detection. *Conference Proceedings 18th International Conference on Applied Electromagnetics and Communications ICECom 2005*, 12-14 October, Dubrovnik, Croatia, 2005, pp. 357-360.

13. I.V. Mazura, F.J. Yanovsky. Modeling of Relationship between Differential Doppler Velocity and Turbulence. *Proceedings International Workshop on Microwaves, Radar and Remote Sensing MRRS 2005*, September 19-21, Kiev, Ukraine, pp. 76-80.

14. Yu. Averyanova, A. Averyanov, F. Yanovsky. Analysis of the possibility to determine wind parameters ahead the aircraft by using polarimetric airborne radar. *Proceedings International Workshop on Microwaves, Radar and Remote Sensing MRRS 2005*, September 19-21, Kiev, Ukraine, pp. 81-86.
15. A. Pitertsev, F. Yanovsky. Advanced Algorithm for Radar Detection of Icing. Calculation of Polarimetric Observables. *Proceedings International Workshop on Microwaves, Radar and Remote Sensing MRRS 2005*, September 19-21, Kiev, Ukraine, pp. 87-90.
16. Y.S.H. Khraisat, F.J. Yanovsky. Influence of the Shape of Turbulence Spectrum onto the Doppler Spectrum of the Radar Returns from Rain. *Proceedings International Workshop on Microwaves, Radar and Remote Sensing MRRS 2005*, September 19-21, Kiev, Ukraine, pp. 135-138.
17. F.J. Yanovsky, C.M.H. Unal, H.W.J. Russchenberg, and L.P. Ligthart. Doppler-Polarimetric Weather Radar: Returns from Wide Spread Precipitation. *Proceedings International Workshop on Microwaves, Radar and Remote Sensing MRRS 2005*, September 19-21, Kiev, Ukraine, pp. 139-146.
18. Y.P. Ostrovsky, H. Rohling, and F. Yanovsky. Software for Doppler-Polarimetric Weather Radar Data Processing. *Proceedings International Workshop on Microwaves, Radar and Remote Sensing MRRS 2005*, September 19-21, Kiev, Ukraine, pp. 147-154.
19. V.V. Marchuk, F.J. Yanovsky. Analysis of Interconnection between Doppler-Polarimetric Parameter and Turbulence Intensity in Precipitation Zone. *Proceedings International Workshop on Microwaves, Radar and Remote Sensing MRRS 2005*, September 19-21, Kiev, Ukraine, pp. 159-164.
20. D. Glushko, A. Lawama, F. Yanovsky. Retrieval of Range Information from Singularities of Electric Components of Lightning Self-Radiation. *Proceedings International Workshop on Microwaves, Radar and Remote Sensing MRRS 2005*, September 19-21, Kiev, Ukraine, pp. 278-292.
21. A. Lawama, A. Pitertsev, F. Yanovsky. Microwave Propagation Trough Mixed Ensemble of Hydrometeors: Effect of Backscattering. 35th European Microwave Conference - Paris, 2005. *Proc. European Microwave Week 2005 Conference*, EuMA, IEEE, pp. 1351-1354.
22. I.G. Prokopenko, K.I. Prokopenko, F.J. Yanovsky, L.P. Ligthart. Adaptive Algorithms for Doppler Weather Radar. 35th European Microwave Conference, *Proc. European Microwave Week 2005*, EuMA, IEEE, Paris, 2005, pp. 2087-2090.
23. R. B. Sinitsyn, F. J. Yanovsky. Kernel Estimates of the Characteristic Function for Radar Signal Detection. *Proc. 2nd European Radar Conference*, EuMA, IEEE, 2005, Paris, pp. 53-56.
24. Felix J. Yanovsky, Rustem B. Sinitsyn, Igor M. Braun. Reliability of Detection of Radar Signals from Hailstones by Using Parametric and Non-Parametric Algorithms. *Proc. 2nd European Radar Conference*, EuMA, IEEE, 2005, Paris, pp. 121-124.
25. I.G. Prokopenko, K.I. Prokopenko, F.J. Yanovsky, L.P. Ligthart. Adaptive Algorithms for Doppler Weather Radar. *Proc. 2nd European Radar Conference*, EuMA, IEEE, 2005, Paris, pp. 363-366.
26. F. Yanovsky, A. Pitertsev, T. Sidorenko. Aircraft Icing Prevention Radar System: Models and Software for Calculation of Information Parameters. *Proc. International Radar Symposium IRS-2005*, Berlin, Germany, 2005, pp. 489-492.
27. V.I. Pokrovsky, V.V. Belkin, F.J. Yanovsky. Airborne Weather Radar with Wind Shear Detection Ability: Influence of Generator Instability. *Proc. International Radar Symposium IRS-2005*, Berlin, Germany, 2005, pp. 505-508.

Тези доповідей

28. A. Lawama, A. Pitertsev, F. Yanovsky. Microwave Propagation through the Mixed Ensemble of Hydrometeors: Effect of Back Scattering. *Book of Abstracts European Microwave Week*, EuMC 2005, 4-6 October 2005, CNIT La Defence, Paris, France, p. 155.
29. F. Yanovsky. Early Warning of Weather Hazards. *Conference Book: The 6th Open Meeting of the Human Dimensions of Global Environmental Change Research Community*, 9-13 October, Bonn, Germany, 2005, p. 352.
30. I.G. Prokopenko, K.I. Prokopenko, F.J. Yanovsky, L.P. Ligthart. Adaptive Algorithms for Doppler Weather Radar. *Book of Abstracts European Microwave Week*, EuMC 2005, 4-6 October 2005, CNIT La Defence, Paris, France, p. 188.
31. R. B. Sinitsyn, F. J. Yanovsky. Kernel Estimates of the Characteristic Function for Radar Signal Detection. *Book of Abstracts European Microwave Week*, EuRAD 2005, 6-7 October 2005, CNIT La Defence, Paris, France, p. 209.
32. F. J. Yanovsky, R. B. Sinitsyn, I. M. Braun. Reliability of Detection of Radar Signals from Hailstones by Using Parametric and Non-Parametric Algorithms. *Book of Abstracts European Microwave Week*. EuRAD 2005, 6-7 October 2005, CNIT La Defence, Paris, France, p. 212.
33. I.G. Prokopenko, K.I. Prokopenko, F.J. Yanovsky, L.P. Ligthart. Adaptive Algorithms for Doppler Weather Radar. *Book of Abstracts European Microwave Week*, EuRAD 2005, 6-7 October 2005, CNIT La Defence, Paris, France, p. 222.