CURRICULUM VITAE

Family Name: Chyrka
First Name: Yuriy
Birth date: 08 September 1988, Lutsk, Ukraine
Nationality: Ukrainian
Address (Ukraine):
Kosmonavta Komarova ave. 1,
03680 Kyiv, Ukraine
Tel.Number: +38 097 3250050
E-mail address: yurasyk88@ukr.net, yurasyk88@gmail.com
Languages known: Ukrainian (mother tongue), Russian (excellent), English (intermediate)
Studies:
23/02/2011, Master in Control systems, National aviation university, Ukraine
16/10/2014, Ph.D. in Radio-technics (thesis in parameters estimation), National aviation university, Ukraine.

Computer Skills :

- very good knowledge of Windows/MS-DOS/Total Commander
- very good knowledge of MATLAB
- very good knowledge of Avisynth
- good knowledge of HTML
- good knowledge of C/C++/ C# programming languages
- good knowledge of Visual BASIC language
- basic knowledge of AutoCAD
- basic knowledge of Photoshop
- basic knowledge of Audition

Interest Fields:

- Computer Simulation
- Monte Carlo simulations
- Digital Signal Processing
- Parameters estimation
- Time-Frequency analysis
- Statistics
- Electroencephalography
- Video compression

PROFESSIONAL CARRIER and STUDY HISTORY

16.10.2014: Ph.D degree in Radiotechnics.

01.11.11-16.10.2014. Postgraduate student in National Aviation University.

2008-2013: working as scientist at state research projects # 492, 716 at research department, National Aviation University.

2007-2011: working as engineer at aviation radio-electronic complexes department, National Aviation University.

2007-2011: studying in Modern Technology Institute at National Aviation University.

01.09.2005-28.02.2011: student in National Aviation University, Kyiv, Ukraine

PARTICIPATION TO CONFERENCES

- "*Detection of Markov signals in the mixture with Markov interferences"* at Signal Processing Symposium, SPS - 2009, Jachranka, Poland, May 28-30, 2009
- "*RADAR signal parameters estimation in the MTD tasks"* at Signal Processing Symposium, SPS-2011, Jachranka, Poland, June 8-10, 2011
- "*Guaranteed estimation of parameters of a signal distorted by noise by a small sample"* at Automatics-2011, Lviv, Ukraine, September 28-30, 2011
- "*Censoring of the signal frequency estimations with signal to noise ratio criterion"* at International Radar Symposium, IRS-2012, Warsaw, Poland, May 23-25, 2012
- "*Enhanced technique of frequency acquisition"* at Signal Processing Symposium, SPS-2013, Jachranka, Poland, June 05-07, 2013
- "*Fast Frequency-Lock Loop"* at International Radar Symposium, IRS-2013, Dresden, Germany, June 19-21, 2013
- "*Robust Estimation of a Harmonic Signal Frequency"* at International Radar Symposium, IRS-2014, Gdansk, Poland, June 16-18, 2014
- "*Harmonic Signal Frequency Estimation under an Impulse Interference Action"* at Microwaves, Radar and Remote Sensing Symposium, MRRS-2014, Kyiv, Ukraine, September 23-25, 2014

PUBLICATIONS LIST

"Quasicoherent interperiod processing of radiolocation impulse signals", I.Prokopenko, I.Omelchuk, Y. Chyrka, Science intensive technologies, 1 (2009), pp. 91-97, (in Ukrainian)

"Harminic signal parameters estimation in short observation interval", I.Prokopenko, I.Omelchuk, Y. Chyrka, S. Migel, Electronics and control systems, 23 (2010), pp. 31-38, (in Ukrainian)

"Censoring of harmonic signal frequency estimates", I.Prokopenko, I.Omelchuk, Y. Chyrka, Electronics and control systems, 26 (2010), pp. 12-15, (in Ukrainian)

"Radar signal parameters estimation in MTD tasks", I.Prokopenko, I.Omelchuk, Y. Chyrka, International Journal of Electronics and Telecomunications, 2 (2012), pp. 159-164

"Features of the instantaneous frequency estimation algorithm with pre-filtering", I.Omelchuk, Y. Chyrka, Science intensive technologies, 2 (2013), pp. 210-214