

EKATERINA CHZHAN

PhD student, “Mathematical modelling, numerical methods and complexes of programs”

**Institute of Space and Information Technologies
Siberian Federal University (SibFU)**

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Date of Birth: 04 May 1991

GoogleScholar:

<https://scholar.google.ru/citations?user=CAIE2BgAAAAJ&hl=ru&oi=sra>



EXPERIENCE

September 2016 - nowadays

Assistant of deputy director for science, Institute of Information and Space Technologies SibFU

Duties:

- carrying out activities to popularize scientific activities;
- preparation and support of applications for participation in scholarship and grant competitions;
- monitoring the scientific activities of the teaching staff;
- establishing links with leading scientists.

September 2016 - nowadays

Senior Lecturer, Laboratory of Informatics, Institute of Information and Space Technologies SibFU, Krasnoyarsk, Russia

September 2013- August 2016

Research Assistant, Laboratory of Informatics, Institute of Information and Space Technologies SibFU, Krasnoyarsk, Russia

June 2013-June 2015

Engineer of construction office, Testing Technology Center, Zheleznogorsk, Russia

Duties:

- development of a system for diagnosing the quality of electronic products

TEACHING EXPERIENCE

Courses in “System Analysis”, “Mathematical modelling”, “Data analysis”

SCIENTIFIC INTERESTS

- Nonparametric modelling of discrete-continuous processes
- Identification of technological processes

EDUCATION

2014-Nowadays

Institute of Space and Information Technologies, Siberian Federal University, Krasnoyarsk, Russia
PhD student, “Mathematical modelling, numerical methods and complexes of programs”.

February 2016 – July 2016

University of Cadiz, Cadiz, Spain
Faculty of Mathematics
PhD student

2012 - 2014

Institute of Space and Information Technologies, Siberian Federal University, Krasnoyarsk, Russia
Master of engineering
Graduated with Honors

2008-2012

Institute of Space and Information Technologies, Siberian Federal University, Krasnoyarsk, Russia
Bachelor of engineering
Graduated with Honors

2009-2013

Institute of Space and Information Technologies, Siberian Federal University, Krasnoyarsk, Russia
Additional qualification "Translator in Professional Communication"

PARTICIPATION IN CONFERENCES

1. International Conference In Optimization Theory And Its Applications, Cartagena, Spain, 2016
2. II Internacional Jornadas Doctorales del Programa de Doctorado en Matemáticas, Cadiz, Spain, 2016
3. International Workshop "Applied Methods of Statistical Analysis. Nonparametric Approach", Novosibirsk, Russia, 2015
4. International Workshop "Computer Modelling 2013", Saint Petersburg, Russia, 2013
5. All-Russian Conference "Automation Systems in Education, Science and Industry", Novokuznetsk, Russia, 2013

PROJECT EXPERIENCE

2016 – nowadays

R&D "Development of Software Module of Adaptive System for Data Mining and Modeling of Technological Processes in Metallurgy", project manager
Grant by Fund for Promoting the Development of Small Forms of Enterprises in Scientific and Technical Sphere

2015

"Computer system for the diagnosis of electronic products", project manager
Competition of scientific and technical creativity of youth from the Regional Science Foundation

2011 – 2013

"Investigation of Adaptive Models and Control Algorithms of Multidimensional Stochastic Systems with Delay", executor of the project
Grant by Federal Program

2012 – 2015

R&D "Development and Research of Computer System Diagnostics of Electronic Product", executor of the project
A joint project with "Testing Technology Center", Zheleznogorsk, Russia

PUBLICATIONS: over 30. The most important:

1. Chzhan E.A. / Nonparametric modeling of oxygen-converter processes / E.A. Chzhan, M. E. Kornet, A.V. Medvedev // Steel in Translation, 2016, Vol. 46, No. 12, pp. 855-859.
2. Chzhan E.A. / On Nonparametric Modelling of Multidimensional Noninertial Systems with Delay / E.A. Chzhan, A.V. Medvedev // Вестник ЮУрГУ. Математическое моделирование, 2017, Т. 10, №2, с. 124-136.
3. Chzhan E.A. / On non-parametric models of multidimensional non-inertial processes with dependent input variables / E.A. Chzhan, A.V. Medvedev // Journal of Siberian Federal University. Mathematics & Physics 2017, T10, №2, с. 258-266.
4. Chzhan E. / About the method of observations supplements the source data / E. Chzhan, N. Sergeeva // Proceeding of the international workshop. Applied methods of statistical analysis. Nonparametric approach. September, 14-19 2015. Novosibirsk. PP. 440-445.

5. Korneeva, A.A. Parametric Modelling of Stochastic Objects // A.A. Korneeva, E. A. Chzhan / Bulletin Siberian Aerospace University, Vol. 2, No 48. Krasnoyarsk, 2013
6. Korneeva, A.A. Nonparametric Analysis of Data in the Problem Identification // A.A. Korneeva, N. A. Sergeeva, E. A. Chzhan / Bulletin Tomsk State University, Vol. 1, No 22. Tomsk, 2013
7. Chzhan, E.A. To the Problem of Generation Sample in Solving the Problem of Noninterial Processes Identification // Bulletin Siberian Aerospace University, Vol. 16, No 2. Krasnoyarsk, 2015
8. Orlov, V.I. On the Technical Diagnostics Quality Diode Arrays // V. I. Orlov, N. A. Sergeeva, E. A. Chzhan // Industrial Laboratory. Diagnostic Materials, Vol. 81, No 2. Moscow, 2015

Owner of 7 certificates of registration of the computer programs, Federal Service for Intellectual Property (Rospatent)

SKILLS: Upper-Intermediate level (English)

REWARDS

1. The winner of the Prize of the Head of the City to young talents (2017)
2. The winner of the contest of young talents of Oktyabrsky district in Krasnoyarsk in the nomination "For high achievements in scientific and educational activities" (2016)
3. The winner of the competition for higher scholarships for postgraduate students of SibFU (2016)
4. The winner of the competition for grants for internships in leading Russian and foreign universities (University of Cadiz, Cadiz, Spain, November 2016)
5. The winner of the academic mobility competition Erasmus + (University of Cadiz, Spain, 2016)
6. The winner of scholarships and grants of the Russian Federation President in the 2016-2017 academic year
7. The winner of Scholarship of the President of the Russian post-graduate full-time students studying in the priority areas of modernization and technological development of the Russian economy in the 2016-2017 academic year
8. The winner of scholarships and grants of the Russian Federation Government in the 2015-2016 academic year
9. The winner of Scholarship of the Government of the Russian post-graduate full-time students studying in the priority areas of modernization and technological development of the Russian economy in the 2015-2016 academic year
10. The winner of Competition Scientific and Technical Creativity of Youth with the project "Computer System for the Diagnosis of electronic Component", Krasnoyarsk Regional Science Foundation, 2015
11. Awarded the certificate of honor "For Achievements in the Field of Research and Development", Krasnoyarsk, 2013
12. The winner of the scholarship named boundary M.F. Reshetnev for Achievements in the Field of Technical Sciences, Krasnoyarsk, 2013