

CV

MIKHAIL DENISSENYA



Personal information

date of birth: November 29, 1984.

marital status: married.

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Education

2012-2015 Ph.D. in Lattice Quantum Chromodynamics and Theory of Elementary Particles.

Karl-Franzens University of Graz, Austria.

2008-2010 M.S. in Theoretical Physics.

Physics Department, Kazakh National University, Almaty, Kazakhstan.

2003-2008 B.S. in Electronics and Radiophysics.

Physics Department, Kazakh National University, Almaty, Kazakhstan.

Employment

2018-now *Instructor*

School of Science and Technology, Physics Department,
Astana, Kazakhstan.

duties: Teaching undergraduate physics courses.

2016-2018 *Postdoctoral Researcher*

Nazarbayev University, Astana, Kazakhstan.

performance : conducted research in cosmology and astrophysics, published 4 articles, contributed to the establishment of a new “Energetic Cosmos Laboratory” at Nazarbayev University by a Nobel laureate prof. George Smoot, co-supervised two undergraduate students.

2015-2016 *Researcher*

Kazakh National Data Center, Almaty, Kazakhstan.

duties: collaboration with international seismic data centers including Nuclear Test Ban Treaty Organization (CTBTO), leading a group of analysts, analysis of seismic time-series and earthquake events identification.

- 2012-2015** *Doctoral Program* at Karl Franzens University of Graz,
Institute of Theoretical Physics, Graz, Austria.
performance: published 5 articles in US journals, presented more than 10 talks at the international conferences, contributed to international projects, wrote sophisticated codes for supercomputers and conducted advanced research in Particle Physics.
- 2011-2012** *Teaching and Research Assistant*
University of Regina, Canada.
performance: taught mechanics/optics/thermal physics to 46 undergrads 12 hour/week, data analysis, designed a detector for high energy physics experiments, prepared 1 technical report.
- 2007-2008** *Laboratory Assistant*
Institute of Theoretical and Experimental Physics, Almaty, Kazakhstan.
performance: presented 2 talks at the scientific conferences on non-linear dynamics.

Language Abilities

Russian - native, **English** – fluent/professional, **Kazakh** - colloquial, **German** – basic.

Soft Skills

Creative, communicative, responsible, hard-working, punctual, strategic thinking and leadership skills, public speaking.

Computer Proficiency

Operating Systems: MacOS/Linux/Windows

Software packages: iWork/LibreOffice/MS Office, TexStudio, Mendeley, Mathematica11.0, Matlab2017, ROOT, AutoCad, CorelDraw, Origin8.0.

Programming Languages:

C++/Fortran, MPI/OPENMP, Python with numerical libraries for Machine Learning, Gnuplot, Bash/Perl/Csh scripting.

Awards/Certificates

2014 Poster with the title “Symmetries of mesons after unbreaking of chiral symmetry” recognized as among the best.

Certificate of participation in the workshop on Parallel Programming with MPI/OpenMP, Stuttgart, Germany.

Certificate of participation in the Helmholtz International Summer School on Lattice QCD, Hadron Structure and Hadronic Matter in Dubna.

Certificate of participation in VII Parma International School of Theoretical Physics.

2013 Certificate of participation in the workshop on Monte Carlo Methods and Data Analysis, Regensburg, Germany.

2011 Certificate of attendance of the workshop on University Teaching, Regina, Canada.

2010 IELTS certificate with overall score 6.5.

Award of the 1st degree for a talk at the 4th congress of young scientists and students “Mir Nauki”, Almaty, Kazakhstan.

2008 Award of the 2nd degree for a talk at the 2nd congress of young scientists and students “Mir Nauki”, Almaty, Kazakhstan.

2004 Ranked 1st for a talk “Nuclear Physics and Ecology” at the Scientific Conference “The State Language – My Native Language”, Kazakh National University, Almaty, Kazakhstan.

2003 Certificate of participation in the Kazakhstan Republic Physics Olympiad, Ust-Kamenogorsk, Kazakhstan.

2002 Earned the third place at the Civic Education Tournament conducted by International Foundation for Election Systems, Almaty, Kazakhstan.

Research stays

2017 - Korean Astronomy and Space Science Institute, Daejon, South Korea. (10 days)

2017 - Paris Centre for Cosmological Research at Paris Diderot University, Paris, France. (2 weeks)

2016 - Paris Centre for Cosmological Research at Paris Diderot University, Paris, France. (10 days)

2016 - Korean Astronomy and Space Science Institute, Daejon, South Korea. (2 weeks)

2014 - INFN Section in Roma Tre, Rome, Italy. (7 weeks)

2013 - KEK, High Energy Accelerator Research Organization, Tsukuba, Japan. (2 weeks)