

Sergey PLATONOV

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Education and qualifications

2006	Graduated from high school
2006-2010	B.S. with Honours, Applied Physics and Mathematics at the Moscow Institute of Physics and Technology (State University), Department of Physical and Quantum Electronics.
2010-2012	Master's degree at Moscow Institute of Physics and Technology (GPA = 4.92 out of 5).
2012-current	PhD student, LMU München, Fakultät für Physik

Research experience

September 2009 – July 2010	Researcher, IRE RAS, Moscow, undergraduate student Magnetostatic spin waves propagation in two-dimensional wedge magnonic crystal, Book of Abstract European Conference "PHYSICS OF MAGNETISM", Poznan, Poland, June 27- July 1, 2011
July 2010 – June 2012	Researcher, IRE RAS, Moscow "Anomalous Hall effect in magnonic crystals", Book of Abstract Advanced Electromagnetic Symposium "AES 2012", Paris, April 16- 19, 2012
September 2012 – December 2015	PhD student, LMU Fakultät für Physik & Center for NanoScience, München Lissajous Rocking Ratchet: Realization in a Semiconductor Quantum Dot, Phys. Rev. Lett. 115 , 106801, 2015
December 2015 – current	PhD student, Paul-Drude-Institut, Berlin Gaussian Beam Electron Optics with Quantum Point Contacts, German-Japanese Meeting on the Science of Hybrid Quantum Systems , Berlin, 10-11 November 2016

Languages

English	full professional proficiency (C1)
Belarusian, Russian	native language
German	limited working proficiency (B1)

Engineering techniques

Cryogenic physics: dilution fridges, He3 systems

High-vacuum systems: rotary\turbo\diffusion pumps, leaktests

Low excitation voltage measurements (automated by LabView)

HF (<20 GHz) designed experiments (simulated with Sonnet)

Optical lithography & EBL lithography (Raith E-line)

Technical drawings with Solidworks, AutoCad

Data processing skills

Programming languages: C++, C, Python (Matplotlib, Scipy, Numpy data analysis libraries), SQL

MathSoft: Matlab, Maple, Mathcad, Mathematica

Latex, MS Powerpoint, MS Excel, MS Word, MS Access

Berlin, Oct 1st, 2016