

Kristina Popova

School of Physics and Engineering, ITMO University,

St. Petersburg, Russia

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EDUCATION

2024-present

PhD student, Physics and Engineering, ITMO University, St. Petersburg, Russia

2022-2024

Master, Physics and Engineering, ITMO University, St. Petersburg, Russia,

GPA: 4.85/5, Thesis title: "Dual Dipole Antenna Array with Full-Brain Coverage for 9.4T Head Imaging"

2018-2022

Bachelor, Physics and Engineering, ITMO University, St. Petersburg, Russia,

GPA: 4.65/5, Thesis title: "Portable MR spectrometer 0.5 T for detecting the signal of free and bound sodium in human skin"

2016-2018

High schooler, Presidential Physics and Mathematics Lyceum No. 239, St. Petersburg, Russia

WORK EXPERIENCE

2022-present

Engineer, Physics and Engineering, ITMO University, St. Petersburg, Russia

2020-2022

Laboratory assistant, Physics and Engineering, ITMO University, St. Petersburg, Russia

PUBLICATIONS

2023

K. I. Popova, N. O. Lukyanov, S. B. Glybovski and G. A. Solomakha, "Numerical Simulation of 8-Channel Array for Human Brain Imaging using C-Shaped Dipole Antennas with Improved Coverage," 2023 IEEE 24th International Conference of Young Professionals in Electron Devices and Materials (EDM), Novosibirsk, Russian Federation, 2023, pp. 1380-1383, doi: 10.1109/EDM58354.2023.10225088

2022

K. Shin, G. Solomakha and A. Hurshkainen, "A Surface RF Coil with a Configurable Field of View for ^{23}Na MR Spectroscopy at 0.5T," 2022 IEEE International Multi-Conference on Engineering, Computer and Information Sciences (SIBIRCON), Yekaterinburg, Russian Federation, 2022, pp. 600-603, doi: 10.1109/SIBIRCON56155.2022.10017017

PATENTS

2023

Patent RU 220191U1/31.08.2023

“RF Coil for Ultra-High Field Magnetic Resonance Imaging,” Glybovski S.B., Popova K.I., Lukyanov N.O., Solomakha G.A

2023

Patent RU 221688U1/17.11.2023

“Surface RF coil for magnetic resonance imaging of human skin,” Hurshkainen A.A., Popova K.I., Solomakha G.A

AWARDS

2023

Advanced academic state scholarship, ITMO University (for scientific work)

SKILLS

Modeling

CST Microwave Studio

Programming

Matlab

Languages

Russian (mother), English (B2)

REFEREES

Dr. Georgiy A. Solomakha

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Dr. Stanislav B. Glybovski

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