



Anton Shipilov

Contact

Phone: +7 (985) 927-07-37

E-mail: anton.shipilov17@gmail.com

Education

Bachelor	Moscow Institute of Physics and Technology Department of Molecular and Chemical Physics	2013-2017
Master	Moscow Institute of Physics and Technology Department of Molecular and Chemical Physics	2017-2019
PhD	Moscow Institute of Physics and Technology Phystech School of Electronics, Photonics and Molecular Physics	since 2019

Professional Career/Work experience

Research intern	Federal State Budgetary Institution “Technological Institute for Superhard and Novel Carbon Materials”	2016-2019
Junior researcher	Moscow Institute of Physics and Technology Computational Materials Discovery Laboratory	since 2019

Publications

- B.P. Sorokin, G.M. Kvashnin, A.S. Novoselov, S.I. Burkov, A.B. Shipilov, N.V. Luparev, V.V. Aksenkov and V.D. Blank, “**Application of Thin Piezoelectric Films in Diamond-Based Acoustoelectronic Devices**” // IntechOpen, Piezoelectricity - Organic and Inorganic Materials and Applications, 2018, pp. 15-41.
- B.P. Sorokin, G.M. Kvashnin, A.S. Novoselov, and A.B. Shipilov, “**Microwave Acoustic Properties of Diamond Based HBAR at Low Temperatures**” // 2018 European Frequency and Time Forum (EFTF), Torino, Italy, April 10-12, 2018, pp. 1-5.
- B.P. Sorokin, A.S. Novoselov, G.M. Kvashnin, N.V. Luparev, N.O. Asafiev, A.B. Shipilov, and V.V. Aksenkov, “**Development and Study of Composite Acoustic Resonators with Al/(Al, Sc)N/Mo/Diamond Structure with a High Q Factor in the UHF Range**” // Acoustical Physics, 2019, Vol. 65, No. 3, pp. 263–268.

Conferences

- 60th MIPT Scientific Conference. Report “**Methodology of Low-Temperature Microwave Measurements of Velocity and Attenuation of Hypersonic in Solid Bodies**”. 2nd prize.
- 11th International Conference “Carbon: Fundamental Problem, Material Science, Technology” CFPMST 2018. Poster “**Research of Temperature Dependences of Acoustic Properties and Elastic Modules of Synthetic Diamonds in the Temperature Region 4-400 K**”.
- II International Conference of Young Scientists Working in the Field of Carbon Materials. Poster “**Temperature Dependencies of Acoustic Waves Velocities and Elastic Modules of Diamonds in the Temperature Region 4-400 K and TCF⁽¹⁾ of Piezoelectric Layered Structures Al/AIN(ASN)/Mo/(100) diamond/Me**”. Best poster.

Others

- Merit State Academic Scholarship. Category: Achievements in Scientific Research 2018, 2019