Vladislav Maksimov

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EDUCATION

Master of Science, **Peter the Great St. Petersburg Polytechnic University, 2020**

Concentrations: Physics

Thesis: *Optimization of a laser-plasma source of EUV radiation for lithography - absorption of laser energy in plasma and hydrodynamic effects*

Thesis Advisor: V. Kapralov, Ph.D.

Bachelor of Science, Peter the Great St. Petersburg Polytechnic University, 2018

Concentrations: Technical Physics

Thesis: *Dispersion and focusing properties of an electrostatic potential with a plane of symmetry*

Thesis Advisor: S. Davydov, Ph.D.

RESERCH EXPERIENCE

Laboratory assistant, Ioffe Institute, 2018-2020

Assisted in a laboratory researching Extreme Ultraviolet Radiation of Plasma for nanoelectronics needs.

Student internship, Peter the Great St. Petersburg Polytechnic University, 2016-2018

Assisted in a laboratory for researching electron emitters characteristic.

PUBLICATIONS

P. S. Butorin, S. G. Kalmykov, V. A.Maximov, M. E.Sasin, Further *Enhancement of the Xe LPP11-nm Radiation Source Efficiency –A Study of the Laser-energy Absorption at Varied Parameters of the Gas-target Irradiation*, 2019 Source Workshop, Amsterdam, S26.

A. V. Belashov, P. S. Butorin, Yu. M. Zadiranov, S. G. Kalmykov, V. A. Maximov, M. E. Sasin, and P. Yu. Serdobintsev, *Measuring Geometric Parameters of a High-Power Infrared Laser Beam near the Focus for Applications in a Laser-Plasma Short-Wave Radiation Source*, Optics and Spectroscopy (2020), vol. 128

P S Butorin, S G Kalmykov, V A Maximov and M E Sasin, *Further development of the Xe laser plasma 11-nm radiation source – new data on laser energy absorption and spectroscopy*, J. Phys.:Conf. Series. (2020), 1697