

CURRICULUM VITAE

Personal

Name Aleksei Liubomirov
Profession Research Engineer, Spin Optics Laboratory, SPbU
Date of birth July 5, 1996
Nationality Russian
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Education

Since 2020 PhD student, Physics department, SPbU, Russia
2018-2020 Master's degree in physics, SPbU, Russia
Thesis: "Carrier Spin Dynamics in Monolayers and Heterostructures of Transition Metal Dichalcogenides"
2014-2018 Bachelor's degree in physics, SPbU, Russia
Thesis: "Fabrication and Optical Characterization of Two-Dimensional Layers of Transition Metal Dichalcogenides"
2003-2014 Secondary school, Perm, Russia

Working Experiences

Since 2019 Research Engineer, Spin Optics Laboratory, SPbU
09.2016-12.2018 Research Assistant, Spin Optics Laboratory, SPbU

Languages

English Upper Intermediate

Participation in conferences

13.09.2020 "28th International Symposium Nanostructures: Physics and Technology", Minsk, Belarus
Report: "Spin-valley dynamics of interlayer excitons in heterobilayers $\text{Mo}_x\text{W}_{1-x}\text{Se}_2/\text{WSe}_2$ "
30.11.2018 "XX Всероссийская молодежная конференция по физике полупроводников и наноструктур, полупроводниковой опто- и наноэлектронике", Saint-Petersburg, Russia
Report: "Создание и оптическая характеристика двумерных слоев дихалькогенидов переходных металлов"

Publications

- 1) Kravtsov, V., Liubomirov, A. D., Cherbunin, R. V., Catanzaro, A., Genco, A., Gillard, D., ... & Iorsh, I. V. "Spin-valley dynamics in alloy-based transition metal dichalcogenide heterobilayers". *2D Materials* 8.2: 025011 (2021).
- 2) Liubomirov, A. D., V. Kravtsov, and R. V. Cherbunin. "Spin-Valley Dynamics of Interlayer Excitons in Heterobilayers $\text{Mo}_x\text{W}_{1-x}\text{Se}_2/\text{WSe}_2$ ". *Semiconductors* 54.11: 1518-1521 (2020).