Изображение выглядит как человек, мужчина, стена, внутренний

Автоматически созданное описаниеKoromyslov Sergei

Date of birth: 18 July 1998

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My research areas include resonant metal-dielectric nanostructures, metasurfaces, femtosecond laser action, broadband photoluminescence, dewetting of thin films, laser printing. This investigation can be useful for developing a new class nanoscale metal-dielectric nanostructure, which would be a source of broadband (white) radiation. I took a part of «Science week SPbPU» conference and winter school «Generation 4.0» based on Peter the Great St. Petersburg Polytechnic University (SPbPU).

**Education background**

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| Name of organization: Peter the Great St. Petersburg Polytechnic University (SPbPU)  Contact data: Russian Federation, 195251, St. Petersburg, Polytechnicheskaya 29, international office +7(812) 534-10-02  Website: https://english.spbstu.ru/  Degree of education: Bachelor  Title of direction: 03.03.02 Physics  Title of thesis: «The effect of ultrafast laser induced heating on the indirect-exchange coupling of the RKKY in the Curie switch structures»  Graduation date: 31.08.2020 | September 2016 –  August 2020 |
| Name of organization: ITMO University  Contact data: Russian Federation, 199034, St Petersburg, Birzhevaya line, 16, office 538, phone: +7 (812) 607-02-61  Website: https://en.itmo.ru  Degree of education: Master  Title of direction: 16.04.01Technical physics  Title of thesis: « Laser-induced white light sources based on an ordered array of metal-dielectric (hybrid) nanoparticles» | September 2020 –  Present time |

**Research experience**

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| Title: Laboratory assistant  Workplace: Ferroic Physics Laboratory (Ioffe Institute)  Contact data: Russian Federation 194021, St Petersburg, Politekhnicheskaya 26, phone: +7(812) 297-22-45  Duties: I participated for creation optical setup, processed and analyzed the results | October 2018 –  June 2020 |

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| Title: Research fellow  Workplace: Department of Physics, ITMO University  Contact data: Russian Federation, 199034, St Petersburg, Birzhevaya line, 16, office 538, phone: +7 (812) 607-02-61  Duties: My responsibilities include fabricating particles by dewetting methods, measurements of photoluminescence and Raman scattering, processing and interpreting the data obtained. | September 2020 –  Present time |
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**Oral presentation**

1. Determination of the value of the indirect-exchange coupling RKKY interaction by the method of magneto-optical polarimetry in the Curie switch structure Fe/(FeCr)/Fe.

S. V. Koromyslov, L. A. Shelukhin, A. M. Kalashnikova, A. F. Kravets

*XLII «Week of Science SPbPU» (2019)*

**List of published and accepted journal papers**

1. Ponkratova, E., Ageev, E., Komissarenko, F., Koromyslov, S., Kudryashov, D., Mukhin, I., ... & Zuev, D. (2021, April). Femtosecond Laser Fabrication of Hybrid Metal-Dielectric Structures with Nonlinear Photoluminescence. In Photonics (Vol. 8, No. 4, p. 121). Multidisciplinary Digital Publishing Institute.

**Additional information**

Language: English B1

Computer skills: MS Office, MATLAB, Python, CST, Wolfram Mathematica

**Reference**

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