

Сведения об официальном оппоненте

ФИО	Попов Сергей Михайлович
Ученая степень	Кандидат физико-математических наук
Шифр и отрасль науки, по которой защищена диссертация	01.04.21 – Лазерная физика
Полное и сокращенное наименование организации, являющейся основным местом работы	Фрязинский филиал государственного бюджетного учреждения науки Институт радиотехники и электроники им. В.А. Котельникова Российской Академии Наук (ФИРЭ им. В.А. Котельникова РАН)
Структурное подразделение	Лаборатория волоконных световодов и элементов на их основе
Должность	Старший научный сотрудник
Список основных публикаций по теме диссертации в рецензируемых научных изданиях за последние 5 лет (не более 15)	<ol style="list-style-type: none"> 1. Yu.K. Chamorovskiy, O.V. Butov, A.O. Kolosovskiy, S.M. Popov, V.V. Voloshin, I.L. Vorob'ev, M.Yu. Vyatkin, M.A. Odnobludov «Long tapered fibre with array of FBG», Optical Fiber Technology, 2019, Vol. 50, pp. 95-98, (Q2) https://doi.org/10.1016/j.yofte.2019.03.006 2. S M Popov, O V Butov, A O Kolosovskii, V V Voloshin, I L Vorob'ev, V A Isaev, M Yu Vyatkin, A A Fotiadi, Yu K Chamorovsky, "Optical fibres and fibre tapers with an array of Bragg gratings", QUANTUM ELECTRON, 2019, 49 (12), 1127–1131 (Q4) DOI: https://doi.org/10.1070/QEL17157 3. S.M. Popov, O.V. Butov, A.P. Bazakutsa, M. Yu. Vyatkin, Yu. K. Chamorovskii and A.A. Fotiadi «Random lasing in a short Er-doped artificial Rayleigh fiber», Results in Physics, 2020, Vol. 16, 102868 (Q1) https://doi.org/10.1016/j.rinp.2019.102868 4. D R Kharasov, D M Bengalskii, M Yu Vyatkin, O E Nanii, E A Fomiryakov, S P Nikitin, S M Popov, Yu K Chamorovsky, V N Treshchikov, "Extending the operation range of a phase-sensitive optical time-domain reflectometer by using fibre with chirped Bragg gratings", QUANTUM ELECTRON, 2020, 50 (5), 510–513 (Q4) DOI: https://doi.org/10.1070/QEL17232 5. Andrey Rybaltovsky, Sergei Popov, Denis Lipatov, Andrey Umnikov, Alexey Abramov, Oleg Morozov, Dmitry Ryakhovskiy, Viktor Voloshin, Alexander Kolosovskii, Igor Vorob'ev, Oleg Butov, and Yuriy Chamorovskiy «Photosensitive Yb-Doped Germanophosphosilicate Artificial Rayleigh Fibers as a Base of Random Lasers», Fibers 2021, 9(9), 53; (Q) https://doi.org/10.3390/fib9090053 6. S M Popov, O V Butov, A O Kolosovskii, V V Voloshin, I L Vorob'ev, V A Isaev, D V Ryakhovskii, M Yu Vyatkin, A A Rybaltovskii, A A Fotiadi, Li Xia, Zhuoying Wang, D S Lipatov, Yu K Chamorovsky, "Optical fibres with an inscribed fibre Bragg grating array for sensor systems and random lasers", QUANTUM ELECTRON, 2021, 51 (12), 1101–1106 (Q4) https://doi.org/10.1070/QEL17659 7. Andrey Rybaltovsky, Sergei Popov, Dmitry Ryakhovskiy, Alexey Abramov, Andrey Umnikov, Oleg Medvedkov, Viktor Voloshin, Alexander Kolosovskii, Igor Vorob'ev, Yuriy Chamorovskiy, Denis Lipatov

- «Random Laser Based on Ytterbium-Doped Fiber with a Bragg Grating Array as the Source of Continuous-Wave 976nm Wavelength Radiation». *Photonics* 2022, 9, 840. (Q3) <https://doi.org/10.3390/photonics9110840>
8. A.V. Kharakhordin, A.A. Rybaltovsky, S.M. Popov, D.V. Ryakhovskiy, F.V. Afanasiev, S.V. Alyshev, A.M. Khegai, M.A. Melkumov, E.G. Firstova, Yu.K. Chamorovsky, A.A. Umnikov, D.S. Lipatov, S.V. Firstov «Random Laser Operating at Near 1.67 μ M Based on Bismuth-Doped Artificial Rayleigh Fiber» *Journal of Lightwave Technology* 2023, 41(19), pp. 6362-6368 (Q1) <https://doi.org/10.1109/JLT.2023.3285041>
9. Sergei Popov, Andrey Rybaltovsky, Alexei Bazakutsa, Alexander Smirnov, Dmitry Ryakhovskiy, Viktor Voloshin, Alexander Kolosovskii, Igor Vorob'ev, Viktor Isaev, Yuriy Chamorovskiy, Denis Lipatov and Oleg Butov «High efficient random laser with cavity based on the erbium-doped germanophosphosilicate artificial Rayleigh fiber», *Photonics* 2023, 10, 748. (Q3) <https://doi.org/10.3390/photonics10070748>
10. Davydov D.A., Rybaltovsky A.A., Aleshkina S.S., Velmskin V.V. Likhachev M.E., Popov S.M. Ryakhovsky D.V. Chamorovsky Y.K. Umnikov A.A. and Lipatov D.S. «Ytterbium-Doped Narrow-Bandwidth Randomly Distributed Feedback Laser Emitting at a Wavelength of 976 nm», *Photonics* 2023, 10, 951. (Q3) <https://doi.org/10.3390/photonics10080951>
11. A.A. Makovetskii, S.M. Popov, and D. V. Ryakhovskii «Simulation of Oblique Ray Trajectories in a Step-Index Optical Fiber», *Bulletin of the Lebedev Physics Institute*, 2023, Vol. 50, Suppl. 10, pp. S1137–S1145. (Q4) <https://doi.org/10.3103/S1068335623220074>
12. S.M. Popov, D.V. Ryakhovskii, A.O. Kolosovskii, V.V. Voloshin, I.L. Vorob'ev, V.A. Isaev, M.Yu. Vyatkin, Yu.K. Chamorovsky, O.V. Butov «Features of Fiber Bragg Grating Array Inscription for Sensing Applications», *Bulletin of the Lebedev Physics Institute*, 2023, Vol. 50, Suppl. 13, pp. S1464-S1475. (Q4) <https://doi.org/10.3103/S1068335623602376>