

CURRICULUM VITAE

PERSONAL DATA:

Name: Gorokhov Gleb Victorovich
Date of Birth: 19th February 1992
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Nationality: Russian
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Home Address: Russiyanova Str., 18-551, 220141
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Position: Junior Researcher in Laboratory
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EDUCATION:

2010-2015 Belarusian State University, Physical Faculty, Department of Physical Informatics and Atomic-Molecular Physics.

2015-2016 Belarusian State University, Physical Faculty, Department of Physical Informatics and Atomic-Molecular Physics (Master).

EXPERIENCE:

2012-2014 Laboratory Assistant, Laboratory of Laser Plasma Diagnostics, Institute of Physics, Belarusian Academy of Sciences.

2014-present Junior Researcher, Laboratory of NanoElectroMagnetics, Institute for Nuclear Problems, Belarusian State University

LANGUAGES:

Russian, Belarusian, English

CURRENT RESEARCH ACTIVITY:

Synthesis of metamaterials based on nanocarbon fillers (nanotubes, graphene nanoplates, etc) and non-carbon fillers (ferrite, magnetite). Experimental investigations of electromagnetic properties of nanocarbon-based metamaterials, carbon foams, periodical structures, etc. Growth of nanotubes using CVD method.

PUBLICATIONS

Papers:

1. D. Bychanok, S. Li, A. Sanchez-Sanchez, G. Gorokhov, P. Kuzhir, F.Y. Ogrin, A. Pasc, T. Ballweg, K. Mandel, A. Szczurek, V. Fierro, and A. Celzard, Hollow carbon spheres in microwaves: bio inspired absorbing coating. *APL* 108, 013701 (2016) <http://dx.doi.org/10.1063/1.4938537>
2. D. Bychanok, G. Gorokhov, D. Meisak, A. Plyushch, P. Kuzhir, A. Sokol, K. Lapko, A. Sanchez-Sanchez, V. Fierro, A. Celzard, C. Gallagher, A. P. Hibbins, F. Y. Ogrin, and C. Brosseau Exploring Carbon Nanotubes/BaTiO₃/Fe₃O₄ Nanocomposites as Microwave Absorbers, *Progress In Electromagnetics Research, PIERC*, Vol. 66, page 77-85, 2016

Proceedings:

1. Bychanok, D.; Plyushch, A.; Gorokhov, G.; Skadorov, V.; Kuzhir, P.; Maksimenko, S.; Macutkevic, J.; Ortona, A.; Ferrari, L.; Rezaei, E.; Szczurek, A.; Fierro, V.; Celzard, A., “Electromagnetic properties of periodic carbon architectures at high frequencies: metamaterial and photonic crystal”, in *Electromagnetics in Advanced Applications (ICEAA), 2015 International Conference on*, vol., no., pp.43-46, 7-11 Sept. 2015 doi: 10.1109/ICEAA.2015.7297071
2. Bychanok, D., Gorokhov, G., Plyushch, A., Skadorov, V., Maksimenko, S., Kuzhir, P., Macutkevic, J., Ortona, A., Ferrari, L., Rezaei, E., Fierro, V., Celzard, A., 2015. Carbon periodic cellular architectures at high frequencies: metamaterial and photonic crystal, in: *Electromagnetics in Advanced Applications (ICEAA), 2015 International Conference on*. Presented at the FANEM, NATO Advanced Research Workshop, p. 49.
3. Gorokhov, G., Moiseenko, A., Bychanok, D., Kuzhir, P., 2016. Improved absorption properties of nanocarbon/magnetite composites in 26–37 GHz, in: *Open Readings 2016 International Conference*. Presented at the Open Readings 2016 International Conference, Vilnius University, p. 203.

Abstracts:

1. Bychanok, D., Gorokhov, G., Meisak, D., Plyushch, A., Kuzhir, P., Sokal, A., Lapko, K., Sanchez-Sanchez, A., Fierro, V., Celzard, A., Gallagher, C., Hibbins, A.P., Ogrin, F.Y., Brosseau, C., 2016. EXPLORING CARBON NANOTUBES/BATIO₃/FE₃O₄ NANOCOMPOSITES AS MICROWAVE ABSORBERS. *Progress In Electromagnetics Research C* 66, 77–85. doi:10.2528/PIERC16051106
2. Bychanok, D., Li, S., Sanchez-Sanchez, A., Gorokhov, G., Kuzhir, P., Ogrin, F.Y., Pasc, A., Ballweg, T., Mandel, K., Szczurek, A., Fierro, V., Celzard, A., 2016. Hollow carbon spheres in microwaves: Bio inspired absorbing coating. *Applied Physics Letters* 108, 013701. doi:10.1063/1.4938537
3. D. Bychanok, G. Gorokhov, D. Meisak, P. Kuzhir, S. A. Maksimenko, Y. Wang, Z. Han, X. Gao, H. Yue, 2017. DESIGN OF CARBON NANOTUBE-BASED BROADBAND RADAR ABSORBER FOR KA-BAND FREQUENCY RANGE. *Progress In Electromagnetics Research M* 53, 9–16.

PUBLICATIONS IN RUSSIAN SCIENTIFIC JOURNALS

Papers:

1. Горохов Г. В. “Электромагнитный отклик углеродных пен в диэлектрической матрице в СВЧ (26-37 ТГц) и ТГц (0.5-3.5 ТГц) диапазонах”, *Сборник работ 72-ой научной конференции студентов и аспирантов белорусского государственного университета*, 2015
2. Д. С. Быченко, А. О. Плющ, Г. В. Горохов, В. С. Быченко, С. А. Максименко, П. П. Кужир. «Поглотители СВЧ излучения на основе гофрированных композитов с углеродными волокнами», *Журнал Экспериментальной и Теоретической Физики*, Поступила в редакцию 17 декабря 2015 г.

Proceedings:

1. Горохов Г. В. “Электромагнитный отклик углеродных пен в диэлектрической матрице в СВЧ (26-37 ТГц) и ТГц (0.5-3.5 ТГц) диапазонах”, *Сборник работ 72-ой научной конференции студентов и аспирантов белорусского государственного университета*, 2015