



## Information about the authors

### *Akhmetzyanov Kirill Raisovich*

Postgraduate student of the department of automatic and telemechanics of Perm national research polytechnic university.

Phone: +7 (919) 458-59-95.

E-mail: kirill94a@mail.ru.

### *Arkipov Mikhail Vladimirovich*

Chief researcher of the department of plant biophysics of Agrophysical research institute. Ph. D. in Biological Science, professor.

Phone: +7 (911) 032-01-98.

E-mail: agrorentgen@mail.ru.

### *Babskay Irina Aleksandrovna*

Student gr. 5405 Saint Petersburg Electrotechnical University «LETI».

Phone: +7 (905) 219-71-38.

### *Belov Mikhail Petrovich*

Deputy head of the department of robotics and automation of manufacturing systems of Saint Petersburg Electrotechnical University «LETI». Ph. D. in engineering.

Phone: +7 (921) 745-67-58.

E-mail: milesa58@mail.ru.

### *Belyayev Timofey Evgenjevich*

Under graduate of the department of robotics and automation of industrial systems of Saint Petersburg Electrotechnical University «LETI».

E-mail: timon13791@gmail.com.

### *Boitsov Anatoliy Arcad'evich*

Assistant professor of the department of engineering environmental protection of Saint Petersburg Electrotechnical University «LETI», Ph. D. in physical and mathematical sciences.

Phone: +7 (903) 098-24-90.

E-mail: aboiz@yandex.ru.

### *Dmitriev Dmitry Ivanovich*

Senior researcher of the Scientific Research Institute for Optoelectronic Instrument Engineering, «NII OEP».

Phone: +7 (952) 384-65-52.

E-mail: ddisbor@mail.ru.

### *Dzubenko Ivan Nikolaevych*

Under graduate of the department of information systems of Saint Petersburg state university of aerospace instrumentation.

Phone: +7 (960) 273-10-74.

E-mail: azruhal@gmail.com.

### *Filatov Yuri Vladimirovich*

Doctor of Sciences, professor. Head of the Department of Laser Measurement and Navigation Systems of Saint Petersburg Electrotechnical University «LETI».

Phone: (812) 234-08-14.

E-mail: yvfilatov@etu.ru.

### *Galushkin Alexander Alekseevich*

Head of the laboratory of conservation and restoration of documents of the Saint Petersburg branch of the archive of Russian Academy of Sciences, Ph. D.

Phone: (812) 328-76-80.

E-mail: lkrd1934@mail.ru.

### *Gavril'eva Kseniya Nikolaevna*

Student gr. 2585 of Saint Petersburg Electrotechnical university «LETI».

Phone: +7 (999) 060-28-58.

E-mail: k.gavrileva@mail.ru.

### *Glinskii Gennadii Fedorovich*

Professor of the department of micro- and nanoelectronics of Saint Petersburg Electrotechnical University «LETI», Doctor of physical and mathematical sciences.

Phone: +7 (904) 630-86-17.

E-mail: genaglinskii@mail.ru.

### *Gonobobleva Sofia L'vovna*

Senior researcher at the laboratory of conservation and restoration of documents of the St. Petersburg Branch of the archive of the Russian Academy of Sciences, Ph. D.

Phone: (812) 328-76-80.

E-mail: sofiaigonobobleva@mail.ru.

### *Gorelaya Alina Vladimirovna*

Associate professor of the department of quantum electronics and optometrist-electronic instruments of Saint Petersburg Electrotechnical university «LETI», candidate of technical sciences.

Phone: +7 (981) 143-16-73.

E-mail: gorelayaalina@mail.ru.

### *Gusakova Ludmila Petrovna*

Leader researcher of the department of plant biophysics of Agrophysical research institute. Ph. D. in Biological Science.

Phone: +7 (911) 816-14-79.

E-mail: l-gusakova@mail.ru.

*Ivanov Vladimir Nikolaevich*

Scientific researcher of JSC «NPO Vavilov's GOI».  
Phone: +7 (921) 638-21-35.  
E-mail: vnivan@mail.ru.

*Kahorov Rustam Asalievich*

Postgraduate student of the department of robotics and industrial automation of Saint Petersburg Electrotechnical University «LETI».  
E-mail: rustam-kahorov-2226@mail.ru.

*Kapustkina Aleksandra Valep'evna*

Researcher of the department of Agricultural Entomology of All-Russian Institute of Plant Protection, Ph. D. in Biological Science.  
Тел.: +7 (960) 254-55-74.  
E-mail: na-vilkova@yandex.ru.

*Kasumova Marina Konstantinovna*

Manager of the MEDI Company Group, head of the chair of management in health services, The private educational institution «SPbINSTOM» (Saint Petersburg Dental Institute of postgraduate training), candidate of engineering.  
Тел.: (812) 324-00-20.  
E-mail: KasumovaMK@medi.spb.ru.

*Kim Stanislav Olegovich*

Student gr. 3286 of Saint Petersburg Electrotechnical University «LETI».  
Phone: +7 (999) 209-28-40.  
E-mail: kimstan32@outlook.com.

*Kutuzov Oleg Ivanovich*

Professor of the department of Saint Petersburg Electrotechnical University «LETI», Doctor of engineering.  
Phone: (812) 234-27-73.

*Mikhteev Sergey Shamileyevich*

Senior lecturer and head of sector of military department of Saint Petersburg Electrotechnical University «LETI», cand. of technical sciences, docent.  
Phone: +7 (911) 939-78-96.  
E-mail: mikhteev299@mail.ru.

*Mikhteeva Elena Yuryevna*

Docent of the department of physics of RGGMU, Ph. D. of chemical sciences, docent.  
Phone: +7 (911) 138-09-60.  
E-mail: mikhteeva.elena@mail.ru.

*Moldovyan Alexandr Andreevich*

Principal researcher of Saint Petersburg institute for Informatics and automation of the Russian Academy of Sciences.  
Phone: +7 (921) 953-03-73.  
E-mail: maa1305@yandex.ru.

*Moldovyan Dmitry Nicolaevich*

Senior lecturer of the department of automated information processing systems of Saint Petersburg Electrotechnical University «LETI», candidate of engineering.  
Phone: +7 (921) 881-01-29.  
E-mail: mdn.spectr@mail.ru.

*Muravyev Anton Vladimirovich*

Post-graduate student of Saint-Petersburg Institute for Informatics and Automation of the Russian Academy of Sciences.  
Phone: +7 (981) 181-40-26.  
E-mail: muravevanton@gmail.com.

*Novikov Vladislav Aleksandrovich*

Doctor of science in engineering, professor of the department of robotics and automation of industrial systems of Saint Petersburg Electrotechnical University «LETI».  
E-mail: vlnov@list.ru.

*Parfenov Vadim Aleksandrovich*

Ph. D. in engineering, docent of the department of quantum electronics and optometrist-electronic instruments of Saint Petersburg Electrotechnical University «LETI».  
Phone: (812) 234-08-14.  
E-mail: vadim\_parfenov@mail.ru.

*Potrakhov Nikolay Nikolaevich*

Chief of the department of electron devices and systems of Saint Petersburg Electrotechnical University «LETI», Ph. D. in engineering Science, professor.  
Phone: (812) 234-20-59.  
E-mail: kzhamova@gmail.com.

*Priyatkin Nikolay Sergeevich*

Senior Researcher of the department of plant biophysics of Agrophysical research institute, Ph. D. in Engineering Science.  
Phone: +7 (911) 226-11-06.  
E-mail: prini@mail.ru.

*Prokopov Anatoly Afanasjevich*

Ph. D. in engineering, assistant professor of the department of robotics and automation of industrial systems of Saint Petersburg Electrotechnical University «LETI».  
E-mail: icartp@mail.ru.

*Sevryugin Aleksandr Alekseevich*

Scientific worker of the department of quantum electronics and optometrist-electronic instruments of Saint Petersburg Electrotechnical university «LETI», candidate of physical and mathematical sciences.  
Phone: +7 (903) 096-89-96.  
E-mail: sevr\_sasha@mail.ru.

*Shhukina Polina Alekseevna*

Under graduate of the department of engineering environmental protection of Saint Petersburg Electrotechnical University «LETI».

Phone: +7 (911) 297-42-57.

E-mail: art122@bk.ru.

*Shubenkova Elena Viktorovna*

Postgraduate of the department of quantum electronics and optometrist-electronic instruments of Saint Petersburg Electrotechnical university «LETI».

Phone: +7 (952) 223-94-62.

E-mail: elenshubenkova@yandex.ru.

*Staroverov Nikolay Evgen'evich*

The post-graduate student of the department of electron devices and systems of Saint Petersburg Electrotechnical University «LETI».

Phone: +7 (911) 770-29-95.

E-mail: nik0205st@mail.ru.

*Tatarnikova Tatyana Mihailovna*

Professor of the department of information systems of engineering of Saint Petersburg Electrotechnical University «LETI», Doctor of engineering.

Phone: +7 (911) 286-39-35.

E-mail: tm-tatarn@yandex.ru.

*Tikhonov Edward Prokofyevich*

Professor of the department of biotechnical systems of Saint Petersburg Electrotechnical University «LETI», doctor of engineering.

Phone: +7 (951) 660-09-62.

E-mail: Edik.leti@yandex.ru.

*Tran Dang Khoa*

The post-graduate student of the department of robotics and industrial automation of Saint Petersburg Electrotechnical University «LETI».

Phone: +7 (905) 235-01-35.

E-mail: tuyetnhung110807@gmail.com.

*Tran Huu Phuong*

The post-graduate student of the department of robotics and industrial automation of Saint Petersburg Electrotechnical University «LETI».

Phone: +7 (952) 280-09-68.

E-mail: tranhuuphuong83@gmail.com.

*Tsvetkov Arkadii Dmitrievich*

Scientific Research of the Institute for Optoelectronic Instrument Engineering, «NII OEP», head of laboratory, head of department, doctor of technical sciences.

Phone: +7 (921) 797-92-99.

E-mail: tsvetkovad@niiiep.ru.

*Vaganov Michail Aleksandrovich*

Associate professor of the department of robotics and automation of industrial systems of Saint Petersburg Electrotechnical University «LETI», candidate of engineering

Phone: +7 (951) 662-84-20.

E-mail: ma.vaganov @yandex.ru.

*Venediktov Vladimir Yuryevich*

Chief research scientist, professor of the department of quantum electronics and optometrist-electronic instruments of Saint Petersburg Electrotechnical university «LETI», doctor of physical and mathematical sciences, associate professor.

Phone: +7(921) 942-18-46.

E-mail: vlad\_venediktov@yahoo.com.

*Yuzhakov Alexander Anatoljevich*

Head of the department of automatic and telemechanics of Perm national research polytechnic university, professor, D. Sc.

Phone: +7 (342) 239-18-16.

E-mail: uz@at.pstu.ru.

*Zhuravlev Anton Aleksandrovich*

Postgraduate of the department of quantum electronic of Saint Petersburg Electrotechnical University «LETI». Current job position is an engineer at the St. Petersburg Technopark OJSC.

Phone: +7 (931) 265-91-36.

E-mail: tx3000@yandex.ru.