Ivan Gordeev

Curriculum Vitae

General Information

Full Name: Ivan Sergeevich Gordeev
Sex: Male
Date of Birth: 21th of July 1996
Place of Birth: Russia, Moscow Oblast, Taldom
Nationality: Russian
Marital Status: Single

Social Networks

researchgate.net
github.com
facebook.com
vk.com
instagram.com

Languages

Russian ★★★★★
English ★★★★☆

Employment Experience

2020 – ... **Junior Researcher** — Joint Institute for Nuclear Research
Junior Researcher at the Laboratory of Radiation Biology. Section of Radiation Research. Research group of radiation fields of JINR basic facilities and environment. Joint Institute for Nuclear Research. Russia, Dubna

2017 – 2020 **Laboratory Assistant** — Joint Institute for Nuclear Research
Laboratory Assistant at the Laboratory of Radiation Biology. Section of Radiation Research. Research group of radiation fields of JINR basic facilities and environment. Joint Institute for Nuclear Research. Russia, Dubna

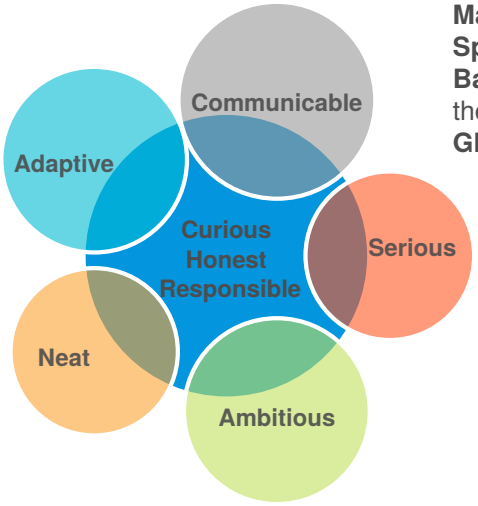
Education

2020 – ... **PhD Student** — Dubna State University
Dubna State University. Engineering and Physics Institute. Department of Fundamental problems of microworld physics. Russia, Dubna
Major: Physics and astronomy
Specialization: Theoretical Physics

2018 – 2020 **Master's Degree** — Dubna State University
Graduated with honors from the Dubna State University. Faculty of Natural Sciences and Engineering. Department of Biophysics. Russia, Dubna
Major: Physics
Specialization: Radiation Biophysics and Astrobiology
Master's Thesis: "Monte Carlo Simulation of Radiation Fields Inside the Spacecraft and Calculation of Astronaut Doses on the Earth-Mars Flight"
GPA: 5.00/5.00 (five-point academic grading system)

2014 – 2018 **Bachelor's Degree** — Dubna State University
Graduated with honors from the Dubna State University. Faculty of Natural Sciences and Engineering. Department of Biophysics. Russia, Dubna
Major: Nuclear Physics and Technologies
Specialization: Human and Environmental Radiation Safety
Bachelor's Thesis: "Simulation of Radiation Fields Inside Spacecraft in the Earth's Environment"
GPA: 4.95/5.00 (five-point academic grading system)

Personality



Experience

19-22.7.21 **Online tutorial** Japan Atomic Energy Agency (JAEA)
Participation in the **advanced** course on PHITS (online tutorial). Japan, Tokai
Results: Certificate of Attendance

1-5.2.21 **Online tutorial** Japan Atomic Energy Agency (JAEA)
Participation in the basic course on PHITS (online tutorial). Japan, Tokai
Results: Certificate of Attendance

5-16.10.20 **Online training** The European Organization for Nuclear Research (CERN)
Attended the FLUKA Beginners' Online Training. Switzerland, Meyrin.
Results: Certificate of Attendance

17.4.20 **Scientific-practical conference** Dubna State University
Participation in the XXVII annual regional scientific-practical conference of students, postgraduates and young specialists at Dubna State University with the topic of report: "Calculation of radiation fields during the operation of the Booster and Nuclotron of the NICA complex". Russia, Dubna
Results: Best Student Presentation Award of the "Radiation Biophysics and Astrobiology" subsection

15-16.4.19 **Scientific-practical conference** Dubna State University
Participation in the XXVI annual regional scientific-practical conference of students, postgraduates and young specialists at Dubna State University with the topic of report: "Calculation of the radiation fields from the GCR inside the spacecraft during interplanetary flights". Russia, Dubna
Results: Best Student Presentation Award

3.12.18 **Scientific-popular student conference** Dubna State University
Participation in the scientific-popular student conference in English: "Universe of Science. Challenges and Solutions" at Dubna State University with the topic of report: "Breaking the Wall of Cosmic Radiation using Particle Accelerator"
Results: Best Student Presentation Award and nomination for "The Best Communicative Skills and Best Presentation"

22.10.18 **Competition** Dubna State University
Participant of the "Best students of the Dubna State University" competition
Results: Best Student of the Dubna State University Award

17-19.10.18 **International Conference** International Conference Hall in Dubna
Participant of the meeting of the International Conference "Modern Problems of Space Radiobiology and Astrobiology"
Results: Co-author of the conference report: "Modeling Radiation Fields Inside Spacecraft at JINR's Nuclotron"

23.7-13.9.18 **Summer Student Program** GSI Helmholtz Center for Heavy Ion Research
Participation in the HGS-HIRe Summer Student Program 2018 at GSI. Germany, Darmstadt
Results: Skills received: in using MC transport code FLUKA, in work with ROOT framework. The skills of scientific writing and presentation, as well as teamwork skills and communication in a foreign language were improved. Attended a number of lectures on various fields of physics. Got acquainted with the main facilities of the GSI (UNILAC, ESR, HADES, HILITE) and the FAIR project. A report on the work in the research group was written: "Comparison of MCNPX, GEANT4 and FLUKA Simulations of the Radiation Situation Inside a Spacecraft in Deep Space", and a presentation was made on the closing section. The report is published in the proceedings of the 2018 HGS-HIRe Summer Student Program

OS Knowledge

Linux ★★★★★
Windows ★★★★★

Programming Skills

Python ★★★★★
Bash ★★★★☆
C++ ★★★☆☆
Fortran ★★☆☆☆

Alma Mater

Dubna State University

JOINT INSTITUTE FOR NUCLEAR RESEARCH

17.4.18 **Scientific-practical conference** Dubna State University
Participation in the XXV annual regional scientific-practical conference of students, postgraduates and young specialists at Dubna State University with the topic of report: "Simulation of Radiation Fields Inside Spacecraft in the Earth's Environment". Russia, Dubna
Results: Publication in the conference proceedings, certificate of participation

26.1-5.2.18 **Personnel exchange program (Winter School)** Kindai University
Participation in the personnel exchange program "Monodukuri Engineer in Japan and Russia" winter student school at Kindai University. Japan, Osaka
Results: Communication skills in a foreign language were improved. Got acquainted with Japanese culture, manufactory and Monodukuri technique

2.10.17 **Pitch competition** Visit Centre of Joint Institute for Nuclear Research (JINR)
Participation in the "Falling Walls Lab Dubna", international Lab season stage at Joint Institute for Nuclear Research. Russia, Dubna
Results: Certificate of participation

30.3.17 **Scientific-practical conference** Dubna State University
Participation in the XXIV annual regional scientific-practical conference of students, postgraduates and young specialists at Dubna State University with the topic of report: "Simulation of Radiation Fields Inside Spacecraft". Russia, Dubna
Results: Publication in the conference proceedings, certificate of participation

16.12.16 **Scientific-popular student conference** Dubna State University
Participation in the scientific-popular student conference in English "Discovering the Mysteries of Science" at Dubna State University with the topic of report: "Feynman Diagrams". Russia, Dubna
Results: Second Best Presentation Award and nomination for the "Best Pronunciation"

Software in Use

Ubuntu OS: FLUKA+Flair, PHITS, GEANT4, ROOT, GnuPlot, PyCharm, Visual Studio Code, Jupyter Notebook, Git, LaTeX, GIMP, Inkscape

Windows OS: Origin, Microsoft Office applications, Mathcad, Autodesk Inventor, AutoCAD, Photoshop

Hobbies

Computer modeling, Arduino-based modeling, DIY, sport (basketball, volleyball and American football), design and architecture.

About me

One of my favorite physicists is Richard Feynman and I really like one of his famous quotes: **``What I Cannot Create, I Do Not Understand"**. I perceive this expression as my credo. And I interpret it in the way that if you can't "create" something, no matter how: in your mind, or in real life — performing an experiment, then you can't understand it properly.

To understand something better you always need to invent new approaches and develop new models describing actual problem. After a long and persistent reflection and attempts to solve the problem a solution comes.

Let's create in order to understand!