

CURRICULUM VITAE

Nikolay Voytishin



Personal Information:

Date of Birth: March, 20 1987

Place of Birth: Beltsy, Republic of Moldova

Education:

In 2012, Master of Science in "Applied Mathematics and Informatics", University of "Dubna".

Academic degrees:

2023 Candidate of Sciences in Physics and Mathematics: "Methods and software complex for reconstruction of charged particle trajectories with the BM@N and CMS experiments", Supervisor: Dr. V.V. Palichik, JINR.

Professional Career:

2012– 2015 Junior Scientist, LIT JINR.

Since 2015 Scientist, LIT JINR.

Scientific-Organizational Activities:

Since 2014 – Member, Scientific secretary, Chairman and co-Chairman of program and organizing committees of more than 15 conferences, schools and international seminars held by JINR.

Since 2015 – Data Manager for the JINR Tier1 and Tier2 sites for the CMS collaboration.

Since 2020 – Contact Person for the JINR Tier1 and Tier2 sites at CERN.

2020 – 2022 – Chairman of the JINR Association of Young Scientists and Specialist council.

2020 – 2022 – Member of the Science & Technology Council of JINR.

Since 2020 – JINR Representative Member in the Bureau of the Council of Young Scientists of the International Association of Academies of Sciences.

Since 2021 – Member of the Science & Technology Council of LIT JINR.

2020 – 2023 – Deputy Chairman of the Youth Branch of the Russian Pugwash Committee.

Member of the International Working Group for JINR Long-Term Development Strategy up to 2030 and beyond (Information Technologies, Head of the “JINR Youth” subgroup as part of the Expert and Analytical Working Group)

Since 2022 – Member of JINR Public Council.

Since 2022 – Member of the Council of the Program for Social and Infrastructural Development Projects of JINR.

Deputy leader of the research theme 05-6-1119-2014/... and the research project “Mathematical methods, algorithms and software for modeling physical processes and experimental facilities, processing and analyzing experimental data”

Experiments and projects:

Since 2012 CMS Collaboration at the LHC, CERN

Since 2012 CMS Tier-1 Level Center for a distributed data analysis at JINR

Since 2018 BM@N Collaboration at the collider NICA, JINR

Educational activities:

Since 2012 Supervisor and Consultant of Bachelor's and Master's Theses.

Scientific Interests:

- Computational physics and mathematical modelling
- Methods for development of algorithms for the reconstruction of charged particle trajectories
- Methods and software for data processing and analysis, physics modeling for high energy physics
- Grid technologies, parallel and distributed computing

Grants and scholarships:

Since 2016 Russian Foundation for Basic Research, 4 grants

Since 2016 the grant of the JINR Association of Young Scientists and Specialists, 6 times.

Since 2015 the Meshcheryakov scholarship of the MLIT JINR, 3 times.

Bibliography:

Author of more than 30 scientific papers on methods and algorithms for reconstructing charged particle trajectories and on the distributed storage and processing of experimental data in high-energy physics. Co-author of more than 500 scientific papers within the CMS and BM@N collaborations.

Prizes, Awards:

In 2018 - the first JINR Prize for young scientists and specialists in the nomination "Scientific-methodical and scientific-technical work".

2020 VBLHEP JINR Encouragement Prize as part of the creative team in the nomination “Particle and Atomic Nucleus Physics; development of a physical program and modeling of processes for the NICA complex”.