CURRICULUM VITAE
Dmitry PODGAINY

Personal information:

Date of birth: 4 August 1974

Place of birth: Engels, Saratov region, Russia

Education:

1991 – 1996 – Department of Theoretical and Nuclear Physics, Saratov State University.

Academic degrees:

2001 – Candidate of Sciences in Physics and Mathematics: "Mathematical simulation of non-radial gravitational-elastic and magnetoplasmic oscillations of neutron stars", Supervisor: S.I. Bastrukov, JINR.

Professional career:

1997 – 2013 – Junior Researcher, Senior Researcher, LCTA/MLIT JINR.

2013 – 2020 – Scientific Secretary, MLIT JINR.

Since 2020 – Head of Sector for Heterogeneous Computing and Quantum Informatics, MLIT JINR.

Scientific and organizational activity:

Since 1998 – Member, Scientific Secretary of organizing committees of conferences, schools, international seminars and workshops held at LCTA/MLIT JINR.

2006 – 2013 – Secretary of ISTC, MLIT JINR.

2014 – 2018 – Deputy Head of the Heterogeneous Computing Group, MLIT JINR.

Since 2018 – Head of the Heterogeneous Computing Group, MLIT JINR.

Since 2018 Leader of supercomputer "GOVORUN" team, MLIT JINR.

Since 2013 – Member of the Science & Technology Council of MLIT JINR.

Experiments and projects:

Since 2020 – BM@N Collaboration at the NICA collider, JINR.

Since 2022 – MPD Collaboration at the NICA collider, JINR.

Educational activity:

Since 2000 – Permanent supervisor and consultant of bachelor's and master's theses of Dubna University and Tver State University.

Since 2014 – Regular lectures and trainings on high-performance computing.

2019 – 2022 – Associate Professor of the Department of General Mathematics and Mathematical Physics, Tver State University.

Since 2020 – Associate Professor of the Department of System Analysis and Management, Dubna University.

Scientific interests:

- Computer science
- High-performance computing technologies
- Mathematical modeling of complex physical systems
- Computational methods of data processing and analysis for high-energy physics experiments
- Grid technologies, parallel and distributed computing

Grants and federal contracts:

Since 1997 – Russian Foundation for Basic Research, 10 grants.

2012 – 2014 – Project of the Ministry of Education and Science of the Russian Federation "Creation of a software complex for the numerical solution of large problems of modern electronics and laser nanotechnologies using ultra-high performance hybrid computers".

Since 2020 – Project of the Ministry of Education and Science of the Russian Federation "Superheavy nuclei and atoms: limits of nuclear mass and boundaries of the Periodic Table".

Bibliography:

Results of the scientific activity have been published in more than 75 articles. Over 20 training courses on high-performance computing technologies have been elaborated.

Prizes and awards:

2021 – JINR Second Prize "Development and implementation of a unified access to the heterogeneous distributed resources of JINR and its Member States on the DIRAC platform".

2022 – JINR First Prize "Hyperconverged "Govorun" supercomputer for the implementation of the JINR scientific program".