



THEORY2



The 9th International Conference in Deep Learning in Computational Physics

July, 2-4, 2025

SINP MSU, Moscow, Russia

Official website DLCP2025: <https://dlcp.sinp.msu.ru> [<https://dlcp.sinp.msu.ru>]

We are pleased to invite you to participate to the DLCP2025 – The 9th International Conference on Deep Learning in Computational Physics which will be held at the Skobeltsin Institute of Nuclear Physics of Lomonosov Moscow State University (MSU) on July, 2-4, 2025.

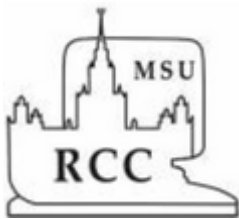
The conference will be held in a mixed format: face-to-face and remote.

The conference focuses on the use of machine learning in particle astrophysics and high energy physics, physics of atmosphere and other areas of natural sciences. Topics of interest are various applications of artificial neural networks to physical problems, as well as the development of new modern machine learning methods for analyzing various scientific data, including big data.

The working languages are English and Russian.

Organizers

	M.V. Lomonosov Moscow State University, D.V. Skobeltsyn Institute of Nuclear Physics (SINP MSU, Moscow, Russia) [http://www.sinp.msu.ru]
	M.V. Lomonosov Moscow State University, Faculty of Physics (Moscow, Russia) [http://phys.msu.ru]

	Shirshov Institute of Oceanology, Russian Academy of Sciences [https://ocean.ru/en/] (Moscow, Russia)
	Research Computing Center of the Lomonosov Moscow State University (RCC MSU, Moscow, Russia) [https://rcc.msu.ru/en]
	Joint Institute for Nuclear Research, Meshcheryakov Laboratory of Information Technologies (MLIT JINR, Dubna, Russia) [https://lit.jinr.ru/en]

The main topics

Section 1. Machine Learning in Fundamental Physics

- Machine learning methods in particle astrophysics and high energy physics.
- Fast event generators based on machine learning for simulation of physics phenomena.
- Multi-messenger data analysis of experimental data.
- Application machine learning for data analysis in megascience facilities.

Section 2. Machine Learning for Environmental Sciences

- Climate analysis, retrospective analysis and projection
- Statistical modeling of the ocean and atmosphere on various temporal and spatial scales
- Environmental monitoring: remote sensing, instrumental monitoring, observations, monitoring networks

Section 3. Machine Learning in Natural Sciences

- Biology and bioinformatics.
- Engineering sciences.
- Modern Machine Learning Methods

The conference will feature:

- invited presentations – 30 minutes,
- regular presentations – 15 minutes,

Important dates

- Registration — until June 23, 2025
- Final deadline for abstract submission — **June 9, 2025**
- Notification of report acceptance — June 23, 2025

- Conference dates - July 2-4, 2025
- Paper submission — August 11, 2025

Registration and abstract submission

The registration and abstract submission should be done via the website: [Registration and abstract submission](#).

Event ticket

To participate in the conference, you must purchase a ticket through the TimePad [<https://timepad.ru>] service. Organizational support for the conference is provided by the conference partner IP Laboratory Russia [<https://iplaboratories.com/ru/>].

The ticket price includes organizational expenses, participation support, coffee breaks, preparation of conference materials, including publication of proceedings. Accommodation and social events are not included and must be paid for separately by participants.

On site participation:

- Participant - 6000 ₺ (Late registration, since June 17 - 8000 ₺)
- Student, PhD Student (first author in the list) - 1500 ₺ (Early registration, since June 17 - 2500 ₺)

Online (remote participation):

- Participants with accepted report for each - 5000 ₺
- Students and PhD Student with accepted report for each (first author in the list) - 1000 ₺
- Online participants without report and co-authors of accepted reports are free of charge

If you plan to participate in person or have received confirmation that your report is included in the conference program, then you need to buy a ticket by clicking on the link of DLCP2025 event [<https://ipaccelerator.timepad.ru/event/3365515/>] on the Timepad service.

Attention! Payment for participation must be made no later than June 30. Otherwise, you will be excluded from the list of participants.

Please send confirmation of payment to the conference email dlcp@sinp.msu.ru [<mailto:dlcp@sinp.msu.ru>].

BUY A TICKET FOR THE DLCP2025 [<https://ipaccelerator.timepad.ru/event/3365515/>]

Proceedings

After blind peer review, all accepted papers will be published in the conference proceedings as a special issue of the journal [Moscow University Physics Bulletin](http://vmu.phys.msu.ru/recent) [<http://vmu.phys.msu.ru/recent>] in 2025 in both electronic and paper form. The journal is published

in English by Springer [<https://www.springer.com/journal/11972>] and indexed in the databases WoS [<https://www.webofscience.com>] and Scopus [<https://www.scopus.com>] and is included in the Russian index RCSI [<https://elibrary.ru/projects/rsci/rsci.pdf>] too.

We invite three types of submissions:

INVITED PAPERS until 30 pages

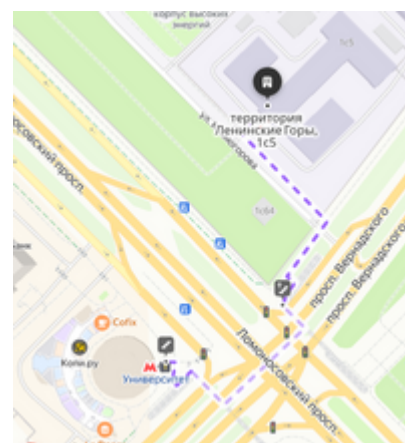
REGULAR PAPERS describe research not published or submitted elsewhere (12-15 pages).

SHORT PAPERS may be position papers, descriptions of research prospects, challenges, projects, ongoing works, or applications (5-9 pages).

Place and transportation

The Skobeltsyn Institute of Nuclear Physics of MSU (Leninskie gory-1, bld.5, Moscow, Russia, near by metro “Universitet”).

The ZOOM link will only be sent to registered participants 2 days before the start of the conference.



Accommodation

Conference participants have to make hotel reservations on their own and in advance. Sorry, NO VISA support.

Program committee

- A. Kryukov (SINP MSU, Moscow) — Co-Chairman
- S. Gulev, Academician of the RAS (SAIL, IORAS, Moscow) — Co-Chairman
- V. Belokurov (MSU, Faculty of Physics, Moscow)
- E. Boos, Corresponding member of the RAS (SINP MSU, Moscow)
- S. Dolenko (SINP MSU, Moscow)
- D. Gorbunov, Corresponding member of the RAS (INR RAS, Moscow)
- V. Ilyin (NRC “Kurchatov Institute”, Moscow)
- M. Krinitskiy (ML4ESlab, MIPT, Moscow)
- V. Korenkov (MLIT JINR, Dubna)
- V. Voevodin, Corresponding member of the RAS (RCC MSU, Moscow)

Organizing committee

- E.G. Boos (SINP MSU, Moscow) -secretary
- S. Dolenko (SINP MSU, Moscow)
- V. Kopytov (SINP MSU, Moscow)

- M. Krinitskiy (ML4ESlab, MIPT, Moscow)
- A. Kryukov (SINP MSU, Moscow)
- A. Suslov (IORAS, Moscow)

Partners

	Группа компаний ПСК [https://rscgroup.ru/] — ведущий российский и хорошо известный в мире разработчик и интегратор «полного цикла» инновационных энергоэффективных, высокоплотных, масштабируемых решений с жидкостным охлаждением для высокопроизводительных вычислений и систем для машинного/глубокого обучения (High-Performance Computing, Machine Learning/Deep Learning), центров обработки данных (ЦОД), Edge Computing решений и интеллектуальных систем хранения данных «по требованию» (storage-on-demand).
	АйПи Лаборатория [https://iplaboratories.com/ru/] - консалтинговая компания, работающая в области искусственного интеллекта. Мы выпускаем аналитику, делаем образовательные программы, организуем конференции. Наш самый известный проект - Открытая конференция по искусственному интеллекту OpenTalks.AI [https://opentalks.ai/en]

Contacts

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