

NEW!

- Please send your presentation before your speech to A.Kryukov.
- The ~~preliminary~~ **final** version of the Scientific Program of the workshop was published ~~on the website on Tuesday 22, 2021~~.
- A link to ZOOM will only be sent to registered members by email on **Tuesday June 22, 2021**.
- ~~Due to many requests, the abstract submission deadline has been extended to **21th of June, 2021**~~ Abstract submission is closed. However, you can register as a member.

DLCP-2021. Call for Paper

5th International Workshop on Deep Learning in Computational Physics (DLCP-2021)

June 28-29

The workshop primarily focuses on the use of machine learning in cosmic ray astrophysics, but is not limited to this area. 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 language is English.

We are pleased to invite you to participate to the DLCP-2021 - International Workshop on Deep Learning in Computational Physics which will be held in virtual (ZOOM) format on 28-30 June, 2021.

Organizers

Karlsruhe Institute of Technology (Karlsruhe, Germany)
D.V. Skobeltsyn Institute of Nuclear Physics, M.V. Lomonosov Moscow State University (Moscow, Russia)
Matrosov Institute for System Dynamics and Control Theory SB RAS (Irkutsk, Russia)

The main topics

- Modern machine learning method in physics
- Deep learning in cosmic ray astrophysics
- Generative adversarial network for modelling of physics phenomena
- Multi-messenger data analysis in astroparticle physics
- Application in biology and other natural sciences
- Modern trends in machine learning

Program committee

Prof. A. Haungs (KIT, Karlsruhe) — Co-Chair
A. Kryukov (MSU, Moscow) — Co-Chair
Academician I. Bychkov (ISDCT SB RAS, Irkutsk)
A. Demichev (MSU, Moscow)
A. Shigarov (ISDCT SB RAS, Irkutsk)
V. Tokareva (KIT, Karlsruhe)

Local organizing Committee

A. Kryukov (MSU, Moscow) — Chair
A. Shigarov (ISDCT SB RAS, Irkutsk)
J. Dubenskaya (MSU, Moscow)
V. Tokareva (KIT, Karlsruhe)

Place

Due to the situation regarding the coronavirus (COVID-19), the Organizing committee decided to organize the workshop remotely via Zoom platform.

Important dates

- **NEW!** Abstract submission — ~~June 14, 2021~~ **June 21, 2021**
- Notification of acceptance — ~~June 21, 2021~~ **June 24, 2021**
- Registration - until June 29, 2021
- The Workshop — June 28-29, 2021
- Paper submission — August 16, 2021
- Notification of paper acceptance — September 6, 2021

Registration and abstract submission

The registration and abstract submission should be done via the website: Registration and abstract submission.

No fee for participation.

Proceedings

Selected articles will be published online at CEUR-WS and indexed in Scopus. Please note that CEUR-WS focuses on the disciplines of Computer Science, Information Systems, and Information Technology.

Submissions should be in English and formatted in Springer LNCS style. We invite two types of submissions: REGULAR PAPERS describe research not published or submitted elsewhere (10-12 pages). SHORT PAPERS may be position papers, description of research prospects, challenges, projects, ongoing works, or applications (5-9 pages).

Contacts

All correspondence concerning the workshop should be addressed by e-mail:
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