

4th International Workshop on Data Life Cycle in Physics (DLC-2020)

June 8-10, 2020, ZOOM video conference

2 nd Call

The purpose of the workshop is to discuss the problems related with research and development of systems to support scientific research throughout the life cycle of experimental data from large scientific facilities. One of the areas of the workshop (but not limited to this) is data management during the life cycle of data in cosmic ray astrophysics. Another topic is modern computational methods for the analysis of scientific data and, in particular, the use of machine learning.

The working language is English.

Organizers

D.V. Skobeltsyn Institute of Nuclear Physics,

M.V. Lomonosov Moscow State University (Moscow, Russia)

Institute for Nuclear Physics,

Karlsruhe Institute of Technology (Karlsruhe, Germany)

Irkutsk State University (Irkutsk, Russia)

Matrosov Institute for System Dynamics and Control Theory SB RAS (Irkutsk, Russia)

The main topics, but not limited

- Data centers in astroparticle physics
- Organization and maintaining of data life cycles
- Data and metadata management in experimental physics
- Large-scale distributed data storage
- Combined data analysis in astroparticle physics
- Intellectual methods of data analysis for combined datasets
- Open data in physics
- Outreach and education in astroparticle physics

Program committee

A. Haungs (KIT, Karlsruhe) — Co-Chair

A. Kryukov (MSU, Moscow) — Co-Chair

I. Bychkov (ISDCT SB RAS, Irkutsk)

A. Shigarov (ISDCT SB RAS, Irkutsk)

Y. Kazarina (ISU, Irkutsk)

V. Tokareva (KIT, Karlsruhe)

Local organizing Committee

A. Kryukov (MSU, Moscow) — chair

A. Shigarov (ISDCT SB RAS, Irkutsk)

Y. Kazarina (ISU, Irkutsk)

V. Tokareva (KIT, Karlsruhe)

Proceedings

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). The selected papers will be published online via CEUR-WS.org. Note that CEUR-WS.org focuses on the disciplines of computer science, information systems, and information technology.

Place

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

Important dates

Abstract submission — **May 25, 2020**

Notification of acceptance — May 29, 2020

Registration for participation — June 1, 2020

Paper submission — June 29, 2020

You can find further information about the workshop and register for participation at our website <https://indico.scc.kit.edu/event/806/>.

All correspondence concerning the workshop should be addressed to the secretaries by e-mail: kazarina@astroparticle.online, WhatsApp and mobile phone: +7 (964)129-22-21.