**Session Program**

**7–11 Jul 2025**



# 11th International Conference "Distributed Computing and Grid Technologies in Science and Education" (GRID'2025)

## *Computing for MegaScience Projects*

# Tuesday 8 July

14:00

## Computing for MegaScience Projects
**Session** | **Location:** Room 420

**14:00–14:15** UNAM-JINR network connectivity status

**Speaker**
Luciano Diaz

**14:15–14:30** New design of tools for accessing the ATLAS CREST conditions database in Athena

**Speaker**
Mr Evgeny Alexandrov

**14:30–14:45** Information Systems for the SPD Experiment

**Speaker**
Dr Федор Прокошин

**14:45–15:00** Multi-Threading for Baikal-GVD Core Software Framework

**Speaker**
Алексей Соловьев

**15:00–15:15** Sampo: software platform for SPD data processing

**Speaker**
Лев Симбирятин

**15:15–15:30**

Распределённая параллельная файловая система Lustre для обработки и анализа данных мегасайенс-проекта NICA

**Speaker**
Aleksander Kokorev

**15:30–15:45** SPD offline computing software architecture and current status

**Speaker**
Artem Petrosyan

**15:45–16:00** Design of the BM@N experiment data management system

**Speaker**
Igor Zhironkin

16:00

16:30

## Computing for MegaScience Projects
**Session** | **Location:** Room 420

**16:30–16:45** Building, testing and deployment method of SPD application software

**Speaker**
Ринат Короткин

**16:45–17:00** Design of the Data Quality Monitoring system for the BM@N experiment

**Speaker**
Dr Игорь Александров

**17:00–17:15** Automation of BM@N Run9 data processing on a DIRAC distributed infrastructure

**Speaker**

Igor Pelevanyuk

17:15–17:30 **Experience of operation the organized grid data analysis using Hyperloop train system**

**Speaker**

Vladimir Kovalenko

17:30–17:45 **Modern Web Technologies in Event Display Creation for High-Energy Physics**

**Speaker**

Alexander Krylov

17:45–18:00 **Software for future BINP HEP experiments**

**Speaker**

Dmitriy Maximov

18:00–18:15 **Anticipating Data Demand in HEP: A Transformer Approach**

**Speaker**

Mikhail Shubin

18:30

17:15–17:30 **Experience of operation the organized grid data analysis using Hyperloop train system**

**Speaker**

Vladimir Kovalenko

# Thursday 10 July

14:00

## Computing for MegaScience Projects
**Session** | **Location:** MLIT Conference Hall

**14:00–14:15**    **SPD Online Filter High-Throughput Processing Middleware**

**Speaker**
Nikita Greben

**14:15–14:30**    **Workflow Management System for SPD Online Filter**

**Speaker**
Артем Плотников

**14:30–14:45**    **Pilot Applications for Distributed Task Execution in the SPD Online Filter System**

**Speaker**
Леонид Романычев

**14:45–15:00**    **Online software for Baikal-GVD**

**Speaker**
Eugeny Pliskovsky

**15:00–15:15**    **Data Management System for SPD Online Filter**

**Speaker**
Полина Коршунова

**15:15–15:30**    **SPD data management**

**Speaker**
Alexey Konak

**15:30–15:45**

**Event Metadata System for the BM@N experiment: design and implementation of the core functionality**

**Speaker**
Artyom Degtyarev

**15:45–16:00**

**Digital twins of distributed data acquisition, storage and processing centers: status and prospects**

**Speaker**
Daria Priakhina

16:00

16:30

## Computing for MegaScience Projects
**Session** | **Location:** MLIT Conference Hall

**16:30–16:45**    **SPD production control panel**

**Speaker**
Nikita Monakov

**16:45–17:00**

**Methods for automating error handling in the Event Picking Service of the ATLAS experiment**

**Speaker**
Alexander Yakovlev

**17:00–17:15** **Search for bottlenecks in SpdRoot code**

**Speaker**

Aleksei Didorenko

17:15