**Session Program**

**10–14 Sept 2018**


# The 8th International Conference "Distributed Computing and Grid-technologies in Science and Education" (GRID 2018)

## *Plenary reports*

# Monday 10 September

09:00

## Plenary reports

**Session** | **Location:** Conference Hall

09:00–09:30 **Opening welcome from JINR Scientific Program of JINR**

**Speaker**
Prof. Victor Matveev

09:30–09:50 **Welcome from Sponsors**

09:50–10:20 **JINR Multifunctional Information and Computing Complex: Status and Perspectives**

**Speakers**
Dr Tatiana Strizh, Prof. Vladimir Korenkov

10:20–10:50 **Cloud-based Computing for LHAASO experiment at IHEP**

**Speaker**
Dr Qiulan Huang

10:50

11:10

## Plenary reports

**Session** | **Location:** Conference Hall

11:10–11:40 **Building up Intelligible Parallel Computing World**

**Speaker**
Prof. Vladimir Voevodin

11:40–12:10 **File Transfer Service at Exabyte scale**

**Speaker**
Andrea Manzi

12:10–12:30 **How to build infrastructure for HPC with Huawei**

**Speaker**
Ivan Krovyakov

12:30

# Tuesday 11 September

08:00

## Plenary reports

**Session** | **Location:** Conference Hall

08:00–08:30 **The CMS Tier1 at JINR: five years of operations**

**Speaker**
Dr Tatiana Strizh

08:30–09:00 **PIK Computing Centre**

**Speaker**
Mr Andrey Kiryanov

09:00–09:30 **Big data as the future of information technology**

**Speaker**
Prof. Alexander Bogdanov

09:30–10:00 **CRIC: the information system for LHC Distributed Computing**

**Speaker**
Mr Alexey Anisenkov

10:00

10:20

## Plenary reports

**Session** | **Location:** Conference Hall

10:20–10:50 **Large scale simulations with parallel annealing algorithm**

**Speaker**
Prof. Lev Shchur

10:50–11:20
**RUNNet: infrastructural and service basis of the national research and education network of the Russian Federation**

**Speakers**
Alexey ABRAMOV, Anton EVSEEV

11:20–11:50 **The ATLAS EventIndex and its evolution based on Apache Kudu storage**

**Speaker**
Prof. Dario Barberis

11:50–12:10
**SUPERCOMPUTER "GOVORUN" — NEW PROSPECTS FOR HETEROGENEOUS COMPUTATIONS AT JINR**

**Speaker**
Dr Dmitry Podgainy

12:10–12:30 **New Intel architecture and technologies for HPC and Cloud**

**Speaker**
Nikolay MESTER

12:30

# Wednesday 12 September

08:00

## Plenary reports

**Session** | **Location:** Conference Hall

08:00–08:30

### ОРГАНИЗАЦИЯ ДОСТУПА К ЭКСПЕРИМЕНТАЛЬНЫМ ДАННЫМ УСТАНОВКИ ИТЭР В РЕЖИМЕ УДАЛЕННОЙ ПУЛЬТОВОЙ

**Speaker**
Dr Igor Semenov

**Location**
Conference Hall

08:30–09:00

### Multicomponent cluster management system for the computing center at IHEP

**Speaker**
Mr Viktor Kotliar

**Location**
Conference Hall

09:00–09:20

### NIAGARA&ANGARA: Interconnect Solution

**Speaker**
Mr Дмитрий Семишин

**Location**
Conference Hall

09:20–09:40

### Вычислительные системы Cisco

**Speaker**
Евгений Лагунцов

**Location**
Conference Hall

09:40–10:00

### Интернет вещей и промышленное производство

**Speaker**
Валерий Милых

**Location**
Conference Hall

10:00–10:20

### Технологии NVIDIA в инфраструктурах виртуальных рабочих столов

**Speaker**
Дмитрий Галкин

**Location**
Conference Hall

10:20–10:40

### Кинетическая инфраструктура

**Speaker**
Никита Степанов

**Location**
Conference Hall

10:40–11:00

### RSC TORNADO - hyper-converged and energy-efficient supercomputing solution

**Speaker**
Alexander MOSKOVSKY

**Location**
Conference Hall

11:00

# Thursday 13 September

08:00

## Plenary reports

**Session** | **Location:** LIT Conference Hall

08:00–08:30 **NICA Computing**

**Speaker**
Dr Oleg Rogachevskiy

08:30–09:00 **BigPanDA Experience on Titan for the ATLAS Experiment at the LHC**

**Speaker**
Dr Alexei Klimentov

09:00–09:30 **DIRAC services for scientific communities**

**Speaker**
Dr Andrei Tsaregorodtsev

09:30–10:00 **Real-time event reconstruction and analysis in the CBM experiment at FAIR using HPC**

**Speaker**
Prof. Ivan (for the CBM collaboration) Kisel

10:00

10:30

## Plenary reports

**Session** | **Location:** LIT Conference Hall

10:30–11:00
**Deep machine learning and pattern/face recognition based on quantum neural networks and quantum genetic algorithm**

**Speaker**
Prof. Sergey V. Ulyanov

11:00–11:30 **Virtual testbed for naval hydrodynamic problems**

**Speaker**
Prof. Alexander Degtyarev

11:30–12:00 **Advanced global network services to support research excelence**

**Speaker**
Dr Rudolf Vohnout

12:30

# Friday 14 September

09:00

## Plenary reports: Plenary reports

**Session** | **Location:**

09:00–09:30

### THE DESIGNING OF CLOUD INFRASTRUCTURE CONSISTING OF GEOGRAPHICALLY DISTRIBUTED DATA CENTERS

**Speaker**
Mr andrey shevel

09:30–10:00

### Electronic, Dynamical and Thermodynamic Properties of DNA

**Speaker**
Prof. Victor Lakhno

10:00