

## Sunday 24 September, 2017

<b>16.00-18.00</b>	<b>Registration, Splendid Conference &amp; SPA Resort</b>
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## Monday 25 September, 2017

<b>08.30-09.30</b>	<b>Registration, Splendid Conference &amp; SPA Resort</b>
<b>9.30-10.00</b>	<b>Welcome from Montenegro officials Welcome from Organizing Committee Welcome from Sponsors</b>

### Plenary

10.00-10.30	Scientific Program of JINR	MATVEEV Victor
10.30-11.00	Opening welcome from CERN	
11.00-11.30	Status and future of WLCG	SCHULZ Markus
<b>11.30-12.00</b>	<b>Coffee</b>	
12.00-12.30	JINR computing infrastructure	KORENKOV Vladimir
12.30-13.00	The Fabric for Frontier Experiments Project at Fermilab: Computing for Experiments	HERNER Kenneth

<b>13.00-14.30</b>	<b>Lunch</b>
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14.30-15.00	China Grid and Cloud Computing at IHEP in China	LI Weidong
15.00-15.30	Computing for Large Scale Facilities	SITHOLE Happy
15.30-16.00	Approaching exascale for nuclear physics applications: diverse science requirements and energy constraints drive new paradigms in HPC	WELLS Jack
<b>16.00-16.20</b>	<b>Coffee</b>	
16.20-16.50	Experimental projects dedicated to the research of exotic nuclei in Dubna	SIDORCHUK Sergey
16.50-17.20	The ATLAS Production System Evolution	BORODIN Mikhail
17.20-17.40	ATLAS Trigger and Data Acquisition Upgrade Plans for High Luminosity LHC	DEMERS Sarah
17.40-18.00	Niagara Computers	
18.00-18.20	Jet Infosystems	

<b>20.00</b>	<b>Welcome Party, Splendid Conference &amp; SPA Resort</b>
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## Tuesday 26 September, 2017

### Plenary *EGI and WLCG Evolution*

9.00-9.30	EGI	LEGRE Yannick
9.30-10.00	Lightweight Sites in the Worldwide LHC Computing Grid	LITMAATH Maarten
10.00-10.20	Improving site efficiency by integrating storage nodes and batch processing	SCHULZ Markus
10.20-10.40	Combined analysis of storage and CPU resources at CERN	DUELLMANN Dirk
10.40-11.10	WLCG Data Management evolution	
<b>11.10-11.30</b>	<b>Coffee</b>	
11.30-11.50	Federated data storage system prototype for LHC experiments and data intensive science	KIRYANOV Andrey
11.50-12.20	Evolution of tools for WLCG operations	ANDREEVA July
12.20-12.50	Computing Resource Information Catalog: the ATLAS Grid Information system evolution for other communities	ANISENKOV Alexey

**13.00-14.30 Lunch**

### Detector & Nuclear Electronics

14.30-15.00	An upgraded TOF- $\Delta E1$ - $\Delta E2$ -E (DSSSD) based spectrometer for heavy-element research at the Dubna Gas-Filled Recoil Separator	TSYGANOV Yury
15.00-15.15	Development of the autocalibration system for the DGFRS spectrometer based on the double-sided silicon strip detectors	VOINOV Alexey
15.15-15.30	New particle position determination modules for Double Side Silicon Strip Detector at DGFRS	SCHLATTAUER Leo
15.30-15.45	Radiation Damage Studies of Silicon Photomultipliers in Neutrons Field of IBR-2	AFANASIEV Sergei
15.45-16.00	Neutron generators and DAQ systems for tagged neutron technology	KARETNIKOV Maxim
<b>16.00-16.30</b>	<b>Coffee</b>	
16.30-16.45	Data acquisition systems on neutron spectrometers of the IBR-2 reactor	DROZDOV Vladimir
16.45-17.00	Betatron tune measurement system upgrade at Nuclotron	MONAKHOV Dmitrii
17.00-17.15	First Results of the Radiation Monitoring of the GEM Muon Detectors at CMS	DIMITROV Lubomir.
17.15-17.30	ESIS ions injection, holding and extraction control system	PONKIN Dmitriy
17.30-17.45	Development of the Booster injection prototype	NAZLEV Hristo

## Triggering, Data Acquisition, Control Systems

14.30-14.45	Increasing Bandwidth of Data Acquisition Systems on IBR-2 Reactor Spectrometers in FLNP	SHVETCOV Vasili
14.45-15.00	Data management and processing system for Baikal-GVD	AVRORIN Alexander
15.00-15.15	Software Implementation of USB 3.0 Stack for Upgraded Data Link Interface on IBR-2 Reactor Spectrometers in FLNP	MURASHKEVICH Svetlana
15.15-15.30	Tango software development at JINR. Tango module for WebSocket connection	ELKIN Vladimir
15.30-15.45	LABVIEW based magnetic field mapping system for cyclotron DC-280	ALEINIKOV Vitali
15.45-16.00	Signal synchronization system	SHIRIKOV Ilya
<b>16.00-16.30</b>	<b>Coffee</b>	
16.30-16.45	The software for the internal beam diagnostics of Nuclotron	ANDREEV Vasily

## Wednesday 27 September, 2017

### Plenary

9.00-9.30	INDIGO-DataCloud: Quality of Service in storage	FUHRMANN Patrick
9.30-10.00	High performance computing system in the framework of the Higgs boson studies	BELYAEV Nikita
10.00-10.30	DIRAC services for grid and cloud infrastructures	TSAREGORODTSEV Andrei
10.30-11.00	ALFA: ALICE-FAIR software framework	AL-TURANY Mohammad
<b>11.00-11.30</b>	<b>Coffee</b>	
11.30-12.00	STAR's GRID Production Framework	HAJDU Levente
12.00-12.30	Status of the project NICA at JINR	ROGACHEVSKIY Oleg
12.30-13.00	NICA Computing	DOLBILOV Andrey

<b>13.00-14.30</b>	<b>Lunch</b>
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<b>14.30</b>	<b>Boat</b>
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<b>19.00</b>	<b>CONFERENCE DINNER, Splendid Conference &amp; SPA Resort</b>
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## Thursday 28 September, 2017

### Plenary

9.00-9.30	Modern SQL and NoSQL database technologies for the ATLAS experiment	BARBERIS Dario
9.30-10.00	The Phase-II upgrade of ATLAS Calorimeter	TARTARELLI Francesco
10.00-10.30	The Trigger Readout Electronics for the Phase-1 Upgrade of the ATLAS Liquid-Argon Calorimeters	WOLFF Robert
10.30-11.00	The ATLAS Data Acquisition System in LHC Run 2	POZO ASTIGARRAGA Mikel Eukeni
<b>11.00-11.30</b>	<b>Coffee</b>	

### Triggering, Data Acquisition, Control Systems II

11.30-11.45	The design and performance of the ATLAS Inner Detector trigger in high pileup collisions at 13 TeV at the Large Hadron Collider	KILBY Callum
11.45-12.00	The ATLAS Trigger system upgrade and performance in Run 2	SHAW Savanna
12.00-12.15	Performance of the ATLAS Muon Trigger in Run 2	MORGENSTERN Marcus
12.15-12.30	The ATLAS Trigger Menu design for higher luminosities in Run 2	TORRO Emma
12.30-12.45	The development of Online Event Display using ATLAS TDAQ for the NICA experiments	GERTSENBERGER Konstantin
12.45-13.00	MultiPurpose Detector - MPD	BABKIN Vadim

<b>13.00-14.30</b>	<b>Lunch</b>	
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14.30-14.45	Status of the test stand TOF MPD system	DMITRIEV Alexandr
14.45-15.00	Development of L0 trigger for study of AA-collisions in BM@N/Nuclotron and MPD/NICA experiments	YUREVICH Vladimir
15.00-15.15	Readout electronics for TPC detector in the MPD/NICA project	VERESCHAGIN Stepan
15.15-15.30	Multi-Purpose Detector (MPD) Slow Control System, historical background, present status and plans	SHUTOV Vitaly
15.30-15.45	Control system of the superconducting magnets cryogenic test bench for the NICA accelerator complex	SEDYKH Georgy
15.45-16.00	Data acquisition and data processing software for magnetic measurements for NICA magnets	BYCHKOV Alexander
<b>16.00-16.20</b>	<b>Coffee</b>	
16.20-16.35	Slow Control system at BM@N experiment	EGOROV Dmitry
16.35-16.50	Trigger electronics for BM@N setup in 2017	ROGOV Victor

## Distributed Computing. GRID & Cloud computing

11.30-11.45	JINR Grid Tier-1@Tier-2	STRIZH Tatiana
11.45-12.00	Belle II Distributed Computing	SCHRAM Malachi
12.00-12.15	COMPASS Grid Production System	PETROSYAN Artem
12.15-12.30	Optimizing new components of PanDA for ATLAS production on HPC resources	OLEYNIK Danila
12.30-12.45	Applying Big Data solutions for log analytics in the PanDA infrastructure	ALEKSEEV Aleksandr
12.45-13.00	JINR cloud: changes in architecture, getting distributed, smarter and more powerful.	BALASHOV Nikita

### 13.00-14.30 Lunch

14.30-14.45	Optimization of the JINR Cloud's Efficiency.	BALASHOV Nikita
14.45-15.00	Experience with containers for OSG NOvA jobs	VOKAC Petr
15.00-15.15	JINR cloud computing in the NOvA experiment	SAMOYLOV Oleg
15.15-15.30	Clouds of JINR, University of Sofia and INRNE Join Together	DIMITROV Vladimir
15.30-15.45	BY-NCPHEP site: cloud and grid	MOSSOLOV Vladimir
15.45-16.00	Approaches to building of Cloud base scientific computing infrastructure	ILIUHA Nicolai
<b>16.00-16.20</b>	<b>Coffee</b>	
16.20-16.35	Service Reliability with the Cloud of Data Centers under Openstack	SHEVEL Andrey
16.35-16.50	Metadata curation and integration in High Energy and Nuclear Physics.	GRIGORIEVA Maria
16.50-17.05	Data management in heterogeneous metadata storage and access infrastructures	GOLOSOVA, Marina
17.05-17.20	Online monitoring system for the BM@N experiment	GABDRAKHMANOV Ilnur
17.20-17.35	Multy-level monitoring system for Multifunctional Information and Computing Complex at JINR	PELEVANYUK Igor

## Friday 29 September, 2017

### Plenary

09.00-9.20	Novel approach to the particle track reconstruction based on deep learning methods	OSOSKOV Gennady
9.20-9.40	Predictive analytics as an essential mechanism for situational awareness at the ATLAS Production System	TITOV Mikhail
9.40-10.00	IT for Applied Environmental Research in JINR	JANCIK Petr
10.00-10.20	Application of Semantic Integration Methods for Cross-agency Information Sharing	YASINOVSKAYA Elena
10.20-11.00	Dell EMC and IBS Platformix	PAVLOV Fedor
<b>11.00-11.30</b>	<b>Coffee</b>	

### Computations with Hybrid Systems (CPU, GPU, coprocessors)

11.30-11.45	HybriLIT - the main component of the MICC for heterogeneous computations at JINR	PODGAINY Dmitry
11.45-12.00	Machine-learning algorithms for identification and separation of the neutron and gamma-ray signals obtained from the DEMON detector	STRELTSOVA Oxana
12.00-12.15	Application of NVIDIA CUDA technology to calculation of ground states of few-body nuclei	SAMARIN Viacheslav
12.15-12.30	Automated system to monitor and predict matching of vocational education programs with labour market	BELOV Sergey
12.30-12.45	Parallel framework for partial wave analysis for the BES-III experiment	TOKAREVA Victoria
<b>13.00-14.30</b>	<b>Lunch</b>	

### Innovative IT Education

11.30-11.45	Specialists - Electronic Training for «NICA» Program	SAKHAROV Iurii
11.45-12.00	Training of skilled personnel adaptive strategy for digital economy goals in the Dubna State University	CHEREMISINA Evgenia
12.00-12.15	Embedding of containerization technology in the core of the virtual computer lab	TOKOREVA Nadezhda
12.15-12.30	On the Way to Open Education	KREIDER Oksana
12.30-12.45	Interrelation communication in the education for robotics	TYATYUSHKINA Olga
12.45-13.00	Activities Related to Scientific Visualization at National Research Nuclear University "MEPhI", Moscow, Russia: Research, Education and Publications	PILYUGIN Victor
<b>13.00-14.30</b>	<b>Lunch</b>	
14.30-14.45	"Interactive Platform of Nuclear Experiment Modeling" as a multidisciplinary tool in the training of specialists in the fields of ICT and	PANEBRATTSEV Yury

	experimental nuclear physics.	
14.45-15.00	Online courses and new educational programs to support research priorities within the subject-matter of JINR projects on the basis of modern educational platforms	BELAGA Victoria
15.00-15.15	Educational Support of NICA Project	PANEBRATTSEV Yury
15.15-15.30	Cybersecurity of Internet of Things - Risks and Opportunities	KARLOV Alexandre
15.30-15.45	Information Disclosure in Software Intensive Systems	DIMITROV Vladimir
15.45-16.00	Quantum Relativistic Informatics: Computer Science, Quantum Intelligent Cognitive Control and Smart Robotics Applications	ULYANOV Sergey
<b>16.00-16.30</b>	<b>Coffee</b>	

### **Research Data Infrastructures@Computing for Large Scale Facilities**

14.30-14.45	NFV Cloud Infrastructure for Researchers	ANTONENKO Vitaly
14.45-15.00	Resource sharing based on HTCondor for multiple experiments	SHI Jingyan
15.00-15.15	Current status of the geometry database for the CBM experiment	FILOZOVA Irina
15.15-15.30	SALSA - Scalable Adaptive Large Structures Analysis	VALA Martin
15.30-15.45	Application of the HEP Computing Tools for Brain studies	MASHINISTOV Ruslan
<b>16.00-16.30</b>	<b>Coffee</b>	

<b>16.30-17.00</b>	<b>Best students reports</b>
<b>17.00</b>	<b>Closing</b>