

Monday 25 September, 2017

08.30-09.30	Registration, Splendid Conference & SPA Resort
<i>Chair: KORENKOV Vladimir</i>	
9.30-10.00	Welcome from Montenegro officials Welcome from Organizing Committee Welcome from Sponsors

Plenary

<i>Chair: KORENKOV Vladimir</i>		
10.00-10.30	Scientific Program of JINR	BEDNYAKOV Vadim
10.30-11.00	Opening welcome from CERN	KURTYKA Tadeusz
11.00-11.30	Status and future of WLCG	SCHULZ Markus
11.30-12.00	Coffee	
<i>Chair: KURTYKA Tadeusz</i>		
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

13.00-14.30	Lunch
--------------------	--------------

<i>Chair: SCHULZ Markus</i>		
14.30-15.00	China Grid and Cloud Computing at IHEP in China	LI Weidong
15.00-15.30	Approaching exascale for nuclear physics applications: diverse science requirements and energy constraints drive new paradigms in HPC	WELLS Jack
15.30-16.00	Experimental projects dedicated to the research of exotic nuclei in Dubna	SIDORCHUK Sergey
16.00-16.20	Coffee	
<i>Chair: KLIMENTOV Alexei</i>		
16.20-16.50	The ATLAS Production System Evolution	BORODIN Mikhail
16.50-17.20	ATLAS Trigger and Data Acquisition Upgrade Plans for High Luminosity LHC	DEMERS Sarah
17.20-17.40	Niagara/Supermicro Innovation Technologies	NIAGARA COMPUTERS
17.40-18.00	Software-Defined Networks	PAVLOV Fedor
Dinner		

20.00	Welcome Party (Drinks&Buffet), Splendid Conference & SPA Resort, Conference Center & Conference Bar Terrace
--------------	--

Tuesday 26 September, 2017

Plenary EGI and WLCG Evolution

<i>Chair: ANDREEVA July</i>		
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	WLCG Data Management evolution	DUELLMANN Dirk
10.40-11.10	Combined analysis of storage and CPU resources at CERN	DUELLMANN Dirk
11.10-11.30	Coffee	
<i>Chair: LOKAJICEK Milos</i>		
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
12.50-13.10	Data Storage Evolution	PAVLOV Fedor

13.10-14.30	Lunch
--------------------	--------------

Detector & Nuclear Electronics

<i>Chair: SIDORCHUK Sergey</i>		
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	Neutron generators and DAQ systems for tagged neutron technology	KARETNIKOV Maxim
15.45-16.00	Data acquisition systems on neutron spectrometers of the IBR-2 reactor	DROZDOV Vladimir
16.00-16.30	Coffee	
<i>Chair: KARETNIKOV Maxim</i>		
16.30-16.45	Betatron tune measurement system upgrade at Nuclotron	MONAKHOV Dmitrii
16.45-17.00	First Results of the Radiation Monitoring of the GEM Muon Detectors at CMS	DIMITROV Lubomir
17.00-17.15	ESIS ions injection, holding and extraction control system	PONKIN Dmitriy
17.15-17.30	Development of the Booster injection prototype	NAZLEV Hristo

Triggering, Data Acquisition, Control Systems

<i>Chair: GORBUNOV Nikolai</i>		
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	ALENIKOV Vitali
15.45-16.00	Signal synchronization system	SHIRIKOV Ilya
16.00-16.30	Coffee	
<i>Chair: GORBUNOV Nikolai</i>		
16.30-16.45	The subsystem of the internal beam intensity diagnostics at the Nuclotron	ANDREEV Vasily
16.45-17.00	Trigger system and detection of Supernova in the NOvA experiment	SHESHUKOV Andrey

Wednesday 27 September, 2017

Plenary

<i>Chair: KLIMENTOV Alexei</i>		
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
11.00-11.30	Coffee	
<i>Chair: FUHRMANN Patrick</i>		
11.30-12.00	STAR's GRID Production Framework	HAJDU Levente
12.00-12.30	Status of the project NICA at JINR	ROGACHEVSKIY Oleg
12.30-12.50	NICA Computing	DOLBILOV Andrey
12.50-13.00	ATLAS BigPanDA Monitoring	KORCHUGANOVA Tatiana

13.00-14.30	Lunch
--------------------	--------------

15:00	Boat
--------------	-------------

19.00	CONFERENCE DINNER, Splendid Conference & SPA Resort
--------------	--

Thursday 28 September, 2017

Plenary

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

Triggering, Data Acquisition, Control Systems

<i>Chair: WOLFF Robert</i>		
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

13.00-14.30	Lunch	
--------------------	--------------	--

<i>Chair: ROGACHEVSKIY Oleg</i>		
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
16.00-16.20	Coffee	

<i>Chair: ROGACHEVSKIY Oleg</i>		
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
16.50-17.05	Online monitoring system for the BM@N experiment	GABDRAKHMANOV Ilnur

Distributed Computing. GRID & Cloud Computing

<i>Chair: TSAREGORODTSEV Andrei</i>		
11.30-11.45	JINR Grid Tier-1@Tier-2	STRIZH Tatiana
11.45-12.00	Application of the HEP Computing Tools for Brain studies	KLIMENTOV Alexei
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	BARREIRO MEGINO Fernando
12.45-13.00	Experience with containers for OSG NOvA jobs	VOKAC Petr

13.00-14.30	Lunch
--------------------	--------------

<i>Chair: STRIZH Tatiana</i>		
14.30-14.45	JINR Member States cloud infrastructure	BALASHOV Nikita
14.45-15.00	Multi-level monitoring system for Multifunctional Information and Computing Complex at JINR	PELEVANYUK Igor
15.00-15.15	Optimization of the JINR Cloud's Efficiency	BALASHOV Nikita
15.15-15.30	JINR cloud computing in the NOvA experiment	SAMOYLOV Oleg
15.30-15.45	Clouds of JINR, University of Sofia and INRNE Join Together	DIMITROV Vladimir
15.45-16.00	NFV Cloud Infrastructure for Researchers	ANTONENKO Vitaly
16.00-16.20	Coffee	
<i>Chair: DOLBILOV Andrey</i>		
16.20-16.40	Approaches to building of Cloud base scientific computing infrastructure	ILIUHA Nicolai
16.40-16.55	Service Reliability with the Cloud of Data Centers under Openstack	SHEVEL Andrey
16.55-17.10	Resource sharing based on HTCondor for multiple experiments	SHI Jingyan
17.10-17.25	PIK Computing Centre	KIRYANOV Andrey

Friday 29 September, 2017

Plenary

<i>Chair: KLIMENTOV Alexei</i>		
09.00-10.00	Best Students Reports	
<i>Chair: KORENKOV Vladimir</i>		
10.00-10.20	Novel approach to the particle track reconstruction based on deep learning methods	OSOSKOV Gennady
10.20-10.40	Predictive analytics as an essential mechanism for situational awareness at the ATLAS Production System	TITOV Mikhail
10.40-11.00	IT for Applied Environmental Research in JINR	JANCIK Petr
11.00-11.20	Coffee	

Research Data Infrastructures@Computing for Large Scale Facilities

<i>Chair: FILOZOVA Irina</i>		
11.20-11.35	SALSA - Scalable Adaptive Large Structures Analysis	VALA Martin
11.35-11.50	Metadata curation and integration in High Energy and Nuclear Physics	GRIGORIEVA Maria
11.50-12.05	Data management in heterogeneous metadata storage and access infrastructures	GOLOSOVA Marina
12.05-12.20	Current status of the geometry database for the CBM experiment	FILOZOVA Irina

Computations with Hybrid Systems (CPU, GPU, coprocessors)

<i>Chair: PODGAINY Dmitry</i>		
11.20-11.40	A new HPC Architecture Intel	MESTER Nikolai
11.40-11.55	The development on HYBRILIT of the Machine-learning algorithms for identification and separation of the neutron and gamma-ray signals obtained from the DEMON detector	STRELTSOVA Oxana, PODGAINY Dmitry
11.55-12.10	Application of NVIDIA CUDA technology to calculation of ground states of few-body nuclei	SAMARIN Viacheslav
12.10-12.25	Automated system to monitor and predict matching of vocational education programs with labour market	BELOV Sergey
12.25-12.40	Parallel framework for partial wave analysis for the BES-III experiment	TOKAREVA Victoria

<i>Chair: KURTYKA Tadeusz</i>		
12.45-13.15	Closing	

13.15-15.00	Lunch	
--------------------	--------------	--

Innovative IT Education (Round Table)

<i>Chair: PANEBRATTSEV Yury</i>		
15.00-15.15	On the Way to Open Education	KREIDER Oksana
15.15-15.30	Training of skilled personnel adaptive strategy for digital economy goals in the Dubna State University	CHEREMISINA Evgenia
15.30-15.45	Embedding of containerization technology in the core of the virtual computer lab	TOKAREVA Nadezhda
15.45-16.00	Activities Related to Scientific Visualization at National Research Nuclear University "MEPhI", Moscow, Russia: Research, Education and Publications	PILYUGIN Victor
16.00-16.30	Coffee	
<i>Chair: CHEREMISINA Evgenia</i>		
16.30-16.45	"Interactive Platform of Nuclear Experiment Modeling" as a multidisciplinary tool in the training of specialists in the fields of ICT and experimental nuclear physics	PANEBRATTSEV Yury
16.45-17.00	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
17.00-17.15	Educational Support of NICA Project	PANEBRATTSEV Yury
17.15-17.30	Specialists - Electronic Training for «NICA» Program	SAKHAROV Iurii
17.30-17.45	Cybersecurity of Internet of Things - Risks and Opportunities	KARLOV Alexandre
17.45-18.00	Information Disclosure in Software Intensive Systems	DIMITROV Vladimir