



# The XXIV International Scientific Conference of Young Scientists and Specialists (AYSS-2020)

## Tuesday, 10 November 2020

### Information Technologies (14:00 - 16:00)

time	[id] title	presenter
14:00	[835] A new service implemented on the HybriLIT platform	Ms TOROSYAN, Shushanik
14:15	[805] Hyperconverged multi-layered system of processing and storing data from super-hot to super-cold on the "Govorun" supercomputer	Mr ZUEV, Maxim
14:30	[792] Ecosystem of information services for the BM@N experiment	SLEPOV, Ivan
14:45	[816] Evaluation of JINR computing resources performance with DIRAC	PELEVANYUK, Igor
15:00	[784] Distributed information and computing infrastructure of the JINR Member States organizations	MAZHITOVA, Yelena
15:15	[808] Designing an agent information-analytical system in the thematic area "Cloud Computing"	KOSHLAN, Diana
15:30	[781] Problem-oriented interface for MICC	BALASHOV, Nikita
15:45	[823] Extended static model of user requests processing for a heterogeneous data aggregation platform with S storages	TOKAREVA, Victoria

### Information Technologies (16:15 - 17:45)

time	[id] title	presenter
16:15	[794] Application of modern IT technologies for biological tasks	KOLESNIKOVA, Inna
16:30	[834] Development of information system for radiobiological reserch on the HybriLIT platform	BUTENKO, Yuri
16:45	[767] Development of a virtual research environment for modeling physical processes on the HybriLIT platform	MAROV, Dmitriy
17:00	[830] Comparison of software products for virtualization of desktops on the basis of the HybriLIT platform.	MATVEYEV, Mikhail
17:15	[723] Online Logbook System for the NICA experiments	Mr CHEBOTOV, Alexander
17:30	[759] Data Center Simulation for the BM@N experiment of the NICA project	PRIAKHINA, Daria

## Wednesday, 11 November 2020

### Information Technologies (14:00 - 16:00)

time	[id] title	presenter
14:00	[728] Automated book of abstract generation for JINR conferences organized with Indico	ILINA, Anna
14:15	[749] Deep Learning Methods for The Plant Disease Detection Platform	Mr SMETANIN, Artem
14:30	[746] Ariadne: PyTorch Library for Particle Track Reconstruction Using Deep Learning	Mr GONCHAROV, Pavel
14:45	[813] Multilevel tree-based lookup table for acceleration of numerical calculations	Mr KOSHEEV, Gleb
15:00	[812] Statistical Physics of Associative Memory on Small World Networks	Mr GURBANI, Yash
15:15	[827] Implementation CGIS in LIT	KUZNETSOVA, Ekaterina