

9th International Conference "Distributed Computing and Grid Technologies in Science and Education" (GRID'2021)

Thursday, 8 July 2021

HPC - 403 or Online - <https://jinr.webex.com/jinr/j.php?MTID=mf93df38c8fbed9d0bbaae27765fc1b0f> (13:30 - 15:00)

time	[id] title	presenter
13:30	[183] Population annealing method and hybrid supercomputer architecture	SHCHUR, Lev
13:45	[164] Multi-GPU training and parallel CPU computing for the machine learning experiments using Ariadne library	SHCHAVELEV, Egor
14:00	[173] Implementing the Graph Model of the Spread of a Pandemic on GPUs	SUDAKOV, Vladimir
14:15	[67] Developing a Toolkit for Task Characteristics Prediction Based on Analysis of Queue's History of a Supercomputer	Mr REZAEI, Mahdi
14:30	[130] Research of improving the performance of explicit numerical methods on the x86 and ARM CPU	FURGAILO, Vladislav
14:45	[124] Analysis of the effectiveness of various methods for parallelizing data processing implemented in the ROOT package.	SOLOVJEVA, Tatyana

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time	[id] title	presenter
15:30	[222] Intel oneAPI for xPU	SIVKOV, Dmitry
16:00	[52] OpenMP computing of a reference solution for coupled Lorenz system on [0,400]	Dr HRISTOV, Ivan
16:15	[147] Overlapping Computation and Communication in Matrix-Matrix Multiplication Algorithm for Multiple GPUs	CHOI, Yea Rem
16:30	[136] Verifiable application-level checkpoint and restart framework for parallel computing	Mr GANKEVICH, Ivan
16:45	[172] Development of information systems for theoretical and applied tasks on the basis of the HybriLIT platform	BUTENKO, Yuri
17:00	[175] Интеллектуальный анализ данных для повышения эффективности использования высокопроизводительной гетерогенной вычислительной платформы HybriLIT	POLEGAEVA, Ekaterina
17:15	[29] The grid-characteristic method for applied dynamic problems	Dr GOLUBEV, Vasily

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time	[id] title	presenter
11:00	[94] Features of HPC resources for HEP	PETROSYAN, Artem
11:15	[112] Energy analysis of plasma physics algorithms	CHERNYKH, Igor
11:30	[114] VM based Evaluation of the Scalable Parallel Minimum Spanning Tree Algorithm for PGAS Model	BEJANYAN, Vahag
11:45	[178] Data storage systems of "HybriLIT" Heterogeneous computing platform for scientific research carried out in JINR: filesystems and RAIDs performance research	KOKOREV, Aleksander
12:00	[140] HPC workload balancing algorithm for co-scheduling environments.	KUCHUMOV, Ruslan
12:15	[163] Characteristics of Nvidia CUDA and AMD ROCm Platforms Affecting Performance Portability	NIKOLSKIY, Vsevolod