

3 July, 2016

17.00-20.00 Registration at the “DUBNA” Hotel

Monday, 04 July, 2016, LIT Conference Hall

9.00-10.00	Registration at the LIT Conference Hall
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Plenary

10.00-10.30	Opening welcome from JINR Scientific Program of JINR MATVEEV Victor
10.30-11.00	Welcome from Sponsors
11.00-11.30	Laboratory of Information Technologies: Status and Future KORENKOV Vladimir
11.30-12.00	Coffee
12.00-12.30	GRID and Cloud Computing at IHEP in China LI Weidong
12.30-13.00	Project NICA TRUBNIKOV Grigory

13.00-14.30	Lunch
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14.30-15.00	Building up Intelligible Parallel Computing World VOEVODIN Vladimir
15.00-15.20	Обзор решений и примеры внедрения высокопроизводительных вычислительных комплексов (High Performance Computing) компании Inspur Eddie Hing (Inspur)
15.20-15.40	Применение методов эволюционного моделирования в задачах аэрогидродинамики ШАГЕЕВ Денис (Niagara), МАКАРЕНКО Константин (НПО БИОНИКА), ТАТКИН Роман (НПО БИОНИКА), АПРАКСИН Дмитрий (МФТИ)
15.40-16.00	Инновационные сетевые решения brocade в распределённых и высокопроизводительных вычислениях ДЬЯКОВ Петр (Brocade Communications)
16.00-16.30	Coffee
16.30-16.50	Хранение петабайтов данных, современный подход Мазниченко Сергей (I-TECO)
16.50-17.10	ВМ-моделирование и CFD-анализ как инструменты эффективного проектирования и оптимизации инженерной и IT инфраструктуры ЦОДов и HPC решений. Новиков Максим, Анпилов Сергей ("4-х Стихии")
17.10-17.30	Технологии виртуализации графики Nvidia GRID в проектах VDI Соловьев Дмитрий (IBS Platformix)
17.30-17.50	The era of hyper-convergence. How new storage technologies change the architecture of data centers. Fedor Pavlov (Dell)
17.50-18.10	On the way to SDN Sergey Gusarov (Dell)
18.10-18.30	Архитектура и технологии Intel для построения GRID-решений Nikolay Mester (Intel)

18.30	<p>Poster Session</p> <p>Распределенная модель бактериального поиска на основе Марковских клеточных автоматов POLUYAN Sergey</p> <p>Применение технологии OpenCL для решения задач сейсмики сеточно-характеристическим методом KHOKHLOV Nikolay</p> <p>Network traffic analysis for the computing cluster at IHEP IUTALOVA Anna</p> <p>Accounting system for the computing cluster at IHEP EZHOVA Victoria, KOTLYAR Victor</p> <p>From parallel to distributed computing as application to simulate magnetic properties -structure relationship for new nanomagnetic materials CRAUS Mihail Liviu</p> <p>Распределенная программная система автоматического построения схемы городской транспортной сети PUCHKOVA Natalia</p> <p>Имитационное моделирование дорожного трафика с помощью сетей Петри MARTYNOVA Irina</p> <p>PARAMETRIZATION OF THE REACTIVE MD FORCE FIELD FOR Zn-O-H SYSTEMS SHEFOV Konstantin, STEPANOVA Margarita, KOTRIAKHOVA Sofia</p> <p>ALICE Job Submission to A Cloud without Dedicated Storage Element ZAROCHENTSEV Andrey</p> <p>The GPU Simulation of the MoS2 diode current characteristics BADARCH Zorig</p> <p>Machine Learning Technologies to Predict the ATLAS Production System Behaviour GUBIN Maksim</p> <p>Formation and stability of structural defects in the crystalline structure of lead dioxide: a DFT study VARODI Codruta Mihaela</p> <p>Development of new security infrastructure design principles for distributed computing systems DUBENSKA YA Yulia</p> <p>YASTD: A simple set of CLI tools to manage Docker containers POLYAKOV Stanislav</p> <p>A continuous integration system for MPD Root: Deployment and setup in GitLab DEGTYAREV Alexander</p> <p>Jupyter extension for creating CAD designs and their subsequent analysis by the finite element method GRISHKIN Valery</p> <p>GEANT4-based simulation of a micro-CT scanner using cloud resources ANDRIYASHEN V. DEMICHEV M. GERASIMOV A. KOZHEVNIKOV D. PROVOROV A.</p>
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19.30-21.00	Welcome Party
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Tuesday 05 July, 2016, LIT Conference Hall

Plenary

9.00-9.30	TIER-1 CMS at JINR: Past, Present and Future <u>STRIZH</u> Tatiana, KORENKOV Vladimir, TIKHONENKO Elena, MITSYN Valery, DOLBILOV Andrey, KADOCHNIKOV Ivan, PELEVANYUK Igor, BAGINYAN Andrey, BELOV Sergey, GROMOVA Nataliya, SHMATOV Sergei, ASTAKHOV Nikolai, KASHUNIN Ivan, GOLUNOV Aleksei, GORBUNOV Ilya, TROFIMOV Vladimir, ZHILTSOV Victor, VOITISHIN Nikolai
9.30-10.00	Центр Тьер1 НИЦ КИ во втором сеансе БАК ВЕЛИХОВ Василий
10.00-10.30	Future Trends in Distributed Infrastructures NORDIC TIER-1 Example SMIRNOVA Oхana
10.30-11.00	Atlas production system BORODIN Mikhail, DE Kaushik, BARREIRO MEGINO Fernando, MAENO Tadashi, WENAUS Torre, KLIMENTOV Alexei, GOLUBKOV Dmitry
11.00-11.30	Coffee
11.30-11.50	DIRAC Data Management System TSAREGORODTSEV Andrei
11.50-12.10	Federated Data Storage System Prototype for LHC Experiments and Data Intensive Science KLIMENTOV Alexei, <u>KIRYANOV</u> Andrey, ZAROCHENTSEV Andrey, KRASNOPEVTSEV Dimitrii, RYABINKIN Eygene, PETROSYAN Artem
12.10-12.30	The Activity of Russian Chapter of International Desktop GRID Federation <u>KUROCHKIN</u> Ilya, POSYPKIN Mikhail, ANDREEV Alexander, VATUTIN Eduard, ZAIKIN Oleg, PUTILINA Elena, MANZUK Maxim
12.30-13.00	Storage Operations at CERN: EOS and CERNBOX MASCETTI Luca
13.00-13.20	Технологии NVIDIA для высокопроизводительных вычислений Джораев Антон (NVIDIA)
13.20-14.30	Lunch

High performance computing, CPU architectures, GPU, FPGA Conference Hall

14.30-14.45	Optimization Algorithms for Computing Options for the Hybrid System BOGDANOV Alexander, STEPANOV Eduard, KHMEL Dmitrya
14.45-15.00	Pragmatic Appliance of GPGPU Technology IVASHCHENKO Andrei, KHMEL Dmitry, KAMANDE MAGDALYNE, CUBAHIRO Amissi
15.00-15.15	Elastic Imaging using Multiprocessor Computing Systems GOLUBEV Vasily, VOINOV Oleg, PETROV Igor
15.15-15.30	HPC Cluster. The Modern Paradigm MATVEYEV Mikhail, BELYAKOV Dmitry, VALA Martin
15.30-15.45	Development of Algorithm for Efficient Pipeline Execution of Batch Jobs on Computer Cluster ТИПИКИН Yury
15.45-16.00	Учебный кластер из одноплатных компьютеров Raspberry Pi НИКОЛЬСКИЙ Илья, ФУРМАНОВ Кирилл
16.00-16.30	Coffee
16.30-16.45	Parallelization of a Finite Difference Scheme for Solving Systems of 2D Sine- Gordon Equations HRISTOV Ivan, HRISTOVA Radoslava, DIMOVA Stefka
16.45-17.00	Research of MPI Application Efficiency on Cloud and Heterogeneous Infrastructures of MICC JINR BASHASHIN Maxim, KUTOVSKIY Nikolay, ZEMLYANAYA Elena, ZUEV Maxim, NECHAEVSKIY Andrey, OSOSKOV Gennady, PODGAINY Dmitry, RAHMONOV Ilhom, SHUKRINOV Yury, STRELTSOVA Oksana, TROFIMOV Vladimir, VOLOKHOVA Alina
17.00-17.15	Parallel Evolutionary Algorithm in High-Dimensional Optimization Problem KOTRIAKHOVA Sofia, STEPANOVA Margarita
17.15-17.30	Parallel Algorithms for Calculation of Binding Energies and Adatom Diffusion on GaN (0001) Surface MINKIN Alexander, KNIZHNIK Andrey
17.30-17.45	Calculation of Ground States of Few-Body Nuclei Using NVIDIA CUDA technology NAUMENKO Mikhail , SAMARIN Vyacheslav
17.45-18.00	The Parallel Framework for the Partial Wave Analysis TOKAREVA Victoria, DENISENKO Igor
18.00-18.15	Parallel Implementations of Image Reconstruction Algorithms for X-ray Microtomography TOKAREVA Victoria, GRIDIN Andrei, STRELTSOVA Oksana, ZUEV Maxim, KHAКИМОВ Anvar, LAPIN Maxim
18.15-18.30	Параллельные программы библиотеки JINRLIB ПОПКОВА Людмила, САПОЖНИКОВА Татьяна, САПОЖНИКОВ Александр
18.30-18.45	Применение технологии MPI для решения задач распространения динамических волновых возмущений с использованием многоблочных структурных сеток ХОХЛОВ Николай, КАССИРОВА Ольга
18.45-19.00	Parallel Algorithms for Calculation of Binding Energies and Adatom Diffusion on GaN (0001) Surface MINKIN Alexander, KNIZHNIK Andrey

**Technologies, Architectures, Models of Distributed Computing Systems
Room - 310**

14.30-14.45	Creating Distributed Rendering Applications BOGDANOV Alexander, IVASHCHENKO Andrei, BELEZEKO Alexey
14.45-15.00	KIPPER - A GRID Bridge to Identity Federation KIRYANOV Andrey
15.00-15.15	Construction of Visualization System for Scientific Experiments BOGDANOV Alexander, IVASHCHENKO Andrei, MILOVA Evgeniya, SMIRNOV Konstantin
15.15-15.30	Current Status of the BY-NCPHEP Tier3 Site YERMOLCHYK Vitaly, YERMAK Dzmitry, MOSSOLOV Vladimir
15.30-15.45	Status of the RDMS CMS Computing TIKHONENKO Elena, GOLUTVIN Igor, KORENKOV Vladimir, ZHILTSOV Victor, KODOLOVA Olga, LYUBLEV Yevgeniy, SAFRONOV Grigory, STEPANOVA Lioudmila, LEVCHUK Leonid, KOTLIAR Viktor, KIRIIANOV Andrey
15.45-16.00	Operating System PLAN9 as the Implementation of the GRID Ideology KULYABOV Dmitry, GEVORKYAN Migran, SEVASTYANOV Leonid, GOSTEV Ivan
16.00-16.30	Coffee
16.30-16.45	Application of TRIE data structure and corresponding associative algorithms for process optimization in GRID environment KASHANSKY Vladislav, KAFTANNIKOV Igor
16.45-17.00	MOCK Data Challenge for the MPD Experiment on the NICA Cluster GERTSENBERGER Konstantin
17.00-17.15	Моделирование системы распределенной обработки данных эксперимента BM@N в составе комплекса T0-T1 NICA ОСОЦКОВ Геннадий, НЕЧАЕВСКИЙ Андрей, ПРЯХИНА Дарья, УЖИНСКИЙ Александр, ТРОФИМОВ Владимир
17.15-17.30	Modelling LIT Cloud Infrastructure at JINR and Evaluating the Model AIRIIAN Vagram, NECHAEVSKY Andrey, KORENKOV Vladimir
17.30-17.45	Optimization for Bioinformatics Genome Sequencing Pipelines by Means of HEP Computing Tools for GRID and Supercomputers NOVIKOV Alexander, AULOV Vasilii, DRIZHUK Daniel, KLIMENTOV Alexei, MASHINISTOV Ruslan, NEDOLUZHKO Artem, POYDA Alexey, SHARKO Fedor, TERTYCHNYI Ivan, TESLYUK Anthony
17.45-18.00	GRID and Quanputers MAKHALDIANI Nugzar

**Desktop grid technologies and volunteer computing
Room 406A**

14.30-14.45	Scheduling in Desktop GRID: A Review CHERNOV Ilya, NIKITINA Natalia, IVASHKO Evgeny
14.45-15.00	Implementation of the Branch-And-Bound Method on the Desktopgrid Systems KHRAPOV Nikolay, FILIPPOV Vadim, POSYPKIN Mikhail
15.00-15.15	BOINC's issues and directions of future development KUROCHKIN Ilya, SAEVSKIY Anatoliy

15.15-15.30	Task Scheduling in a Desktop Grid for Virtual Drug Screening NIKITINA Natalia, IVASHKO Evgeny
15.30-15.45	Using General Lattice Program on the Desktopgrid Systems POSYPKIN Mikhail, KHRAPOV Nikolay, ROZEN Valeriy
16.00-16.30	Coffee
16.30-16.45	Using Grid Systems for Enumerating Combinatorial Objects on Example of Diagonal Latin Squares VATUTIN Eduard, ZAIKIN Oleg, ZHURAVLEV Alexey, MANZUK Maksim, KOICHEMAZOV Stepan, TITOV Vitaly
16.45-17.00	Quality Analysis of Block Separations of Graph-Schemes of Parallel Control Algorithms During Logic Control Systems Design Using Grid Systems on Volunteer basis VATUTIN Eduard, VALYAIEV Sergey, TITOV Vitaly
17.00-17.15	Using Volunteer Computing for Comparison of Quality of Decisions of Heuristic Methods in the Problem of Getting Shortest Path in the Graph with Graph Density Constraint VATUTIN Eduard, VALYAIEV Sergey, TITOV Vitaly
17.15-17.30	Using Volunteer Computing to Solve SAT-Based Cryptanalysis Problems for the Bivium Keystream Generator ZAIKIN Oleg
17.30-17.45	Using Dynamic Deadline in the Volunteer Computing Project SAT@home ZHURAVLEV Alexey, ZAIKIN Oleg
17.45-18.00	Распределенная вычислительная сеть MarGrid на базе компьютеров республики Марий Эл БЕЗРОДНЫЙ Владимир, ЛЕУХИН Анатолий, ИВАНОВ Александр, ПАРСАЕВ Николай, РАХМАНОВ Хошим
18.00-18.15	Рейтинг проектов добровольных распределенных вычислений КУРОЧКИН Илья, ЯКИМЕЦ Владимир
18.15-18.30	Модели поведения российских участников добровольных распределенных вычислений на платформе BOINC ТИЩЕНКО Виктор

Operation, Monitoring, Optimization in Distributed Computing Systems

Room 406B

14.30-14.45	The Monitoring System of MICC-JINR KORENKOV Vladimir, STRIZH Tatiana, DOLBILOV Andrey, MITSYN Valery, TROFIMOV Vladimir, KASHUNIN Ivana
14.45-15.00	IHEP Tier-2 Computing Center: Status and Operation. KOTLYAR Victor, GUSEV Victor, SAVIN Nikolay, KUKHTENKOV Vladimir
15.00-15.15	Prototyping and Operating Scenarios in a Distributed Computing Environment for NICA KULABUKHOVA Natalia, KORKHOV Vladimir, GANKEVICH Ivan, BOGDANOV Alexander, DEGTYAREV Alexander
15.15-15.30	Remote Operation Center at Dubna for NOvA Experiment SAMOYLOV Oleg, BALASHOV Nikita, SHESHUKOV Andrey, ANFIMOV Nikolay, KULLENBERG Christopher, ANTOSHKIN Alexander
15.30-15.45	JINR Tier-1 Service Monitoring System: Ideas and Design PELEVANYUK Igor, KADOCHNIKOV Ivan
16.00-16.30	Coffee

16.30-16.45	<p>Центр управления Многофункциональным Информационно-Вычислительным Комплексом ЛИТ ОИЯИ ГОЛУНОВ Алексей, ДОЛБИЛОВ Андрей, КАШУНИН Иван, КОРЕНЬКОВ Владимир, МИЦЫН Валерий, СТРИЖ Татьяна</p>
16.45-17.00	<p>Web-service for Monitoring Heterogeneous Cluster "HybriLIT" BULATOV Andrey, BUTENKO Yurii, MAYOROV Aleksandr, PODOLYAN Gleb, VALA Martin</p>
17.00-17.15	<p>Implementation of Coarse-Grained Parallel Scheme of Branch-and-Bound Algorithm for Discrete Optimization in Everest Platform SMIRNOV Sergey, VOLOSHINOV Vladimir, SUKHOROSLOV Oleg</p>
17.15-17.30	<p>Tuning Parameters of a Mixed-Integer Programming Solver for Real World Problems SMIRNOV Sergey</p>
17.30-17.45	<p>The Eulerian Graphs Approximation Methods for the Problem of Communications Monitoring RAPPOPORT Alexander</p>
17.45-18.00	<p>Automated Troubleshooting in Computer Clusters and Data Centers МЕДВЕДЕВ Эдуард</p>

Wednesday 06 July, 2016, LIT Conference Hall

Plenary

9.00-11.00	Anniversary of LIT
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12.00	Boat and Picnic Party
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Thursday 07 July, 2016, LIT Conference Hall

Plenary

9.00-9.20	GRID Site Monitoring and LOG Processing Using ELK MIKULA Alexandr
9.20-9.40	Russian Sites in Processing and Storage of ALICE Experimental Data in the LHC RUN-2 ZAROCHENTSEV Andrey
9.40-10.00	High-Level Software for Finite-Dimensional and Dynamic Optimization in Distributed Computing Infrastructure AFANASIEV Alexander, VOLOSHINOV Vladimira
10.00-10.20	Automation of Distributed Scientific Computations with EVEREST SUKHOROSLOV Oleg, AFANASIEV Alexander, VOLKOV Sergey
10.20-10.40	Data Knowledge Base Prototype for Collaborative Scientific Research GRIGORIEVA Maria, GOLOSOVA Marina, KLIMENTOV Alexei, GUBIN Maksim, OSIPOVA Victoria, ALEKSEEV Aleksandr
10.40-11.00	ATLAS BigPanDA Monitoring and Its Evolution PADOLSKI Siarhei, WENAUS Torre, KORCHUGANOVA Tatiana
11.00-11.30	Coffee
11.30-12.00	Integration of PANDA Workload Management System with Supercomputers for ATLAS OLEYNIK Danila, KLIMENTOV Alexei, DE Kaushik, WENAUS Torre, MAENO Tadashi, NILSSON Paul, BARREIRO Fernando, GUAN Wen, PANITKIN Sergey, JHA Shantenu, WELLS Jack
12.00-12.30	INCDTIM Grid and MPI activity Bende Attila, Albert Stefan, Farcas Felix, Nagy Jefe
12.30-13.00	HybriLIT – Key of the High Performance Computing in JINR ADAM Gheorghe
13.00-13.30	Plenary

13.30-14.30	Lunch
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Scientific, Industry and Business Applications in Distributed Computing System Conference Hall

14.30-14.45	Requirements for Distributed Systems Solving Optimization Problems on the Basis of Experience in Solving Business Problems TARASOV Alexey
14.45-15.00	Optimization of Selected Components in MPD Root Project: Capabilities of Distributed Programming Techniques FATKINA Anna, IAKUSHKIN Oleg, GASANOVA Olga, TAZIEVA Liliya
15.00-15.15	SMAR GRID в энергетике: исследование возможных сценариев нетехнологических потерь электроэнергии ЧУХРОВ Алексей, МИЗОВ Анатолий
15.15-15.30	Distributed System for Detection of Biological Contaminants GRISHKIN Valery, SMIRNOV Konstantin, STEPENKO Nickolay

15.30-15.45	Design of Nanomechanical Sensors Based on Graphene Nanoribbons in a Distributed Computing System VISAN Camelia Mihaela, MITRAN Tudor Luca, NEMNES George Alexandru, VASILE Ionut Traian, DULEA Mihnea Alexandru
15.45-16.00	Планирование выполнения композитных приложений в грид-среде НАЗАРЕНКО Алексей, ПРОХОРОВ Александр
16.00-16.30	Coffee
16.30-16.45	Типичные схемы составных инженерных и научных расчетов ПРОХОРОВ Александр, НАЗАРЕНКО Алексей
16.45-17.00	Организация потоковой обработки гиперспектральных изображений в распределённой вычислительной среде ПОПОВ Сергей
17.00-17.15	Исследование качественных особенностей дифференциальных уравнений с полиномиальной правой частью в распределенной компьютерной среде ЕМЕЛЬЯНОВА Ирина
17.15-17.30	Обобщенная схема горнера для вычисления значений многомерных многочленов в распределенной компьютерной среде ЕМЕЛЬЯНОВА Ирина
17.30-17.45	New Approaches to Supercomputer Industry and Georgian Supercomputer Project OIKASHVILI Bekar, MODEBADZE Zurab, PRANGISHVILI Archil
17.45-18.00	HPC Design of Ion Based Molecular Clusters BENDE Attila, VARODI Codruta, DI PALMA Tonia M.
18.00-18.15	Comparison of CPU and GPU Performance for the Charge-Transfer Simulation in the 1D Molecular Chains FIALKO Nadezhda, LIKHACHEV Ilya, SOBOLEV Egor
18.15-18.30	Distributed Evolutionary Optimization Algorithms for Peptide Structure Prediction POLUYAN Sergey, ERSHOV Nikolay
18.30-18.45	Method of Terminological System's Formation to Determine the Level of Product Development DANILOVA Valeriya
18.45-19.00	Portal for Organization of Scientific Data Processing on Heterogeneous Computing Resources at NRCKI AULOV Vasily, DRIZHUK Daniel, KLIMENTOV Alexei, MASHINISTOV Ruslan, NOVIKOV Alexander, POYDA Alexey, RYABINKIN Eugene, TERTYCHNYI Ivan

Middleware and Services for Production-Quality Infrastructures Room - 310

14.30-14.45	Automation of Organizational and Technical Arrangements for Scientific Researches DEGTYAREV Alexander, IVASHCHENKO Andrei, KORKHOV Vladimir, YUZHANIN Nikolai
14.45-15.00	Security Issues Formalization DIMITROV Vladimir
15.00-15.15	Simplified Pilot Module Development and Testing within the ATLAS PanDA Pilot 2.0 Project DRIZHUK Daniel, NILSSON Paul, GUAN Wen

15.15-15.30	Approaches to Manage Computational Cluster Resources GAIDUCHOK Vladimir, AHMED Nabil, RUKOVCHUK Vladimir, IVANOV Pavel, KAMANDE Magdalynе
15.30-15.45	User Interface for a Computational Cluster: Resource Description Approach. GAIDUCHOK Vladimir, BOGDANOV Alexander, IVANOV Pavel, KAMANDE Magdalynе, CUBAHIRO Amissi
15.45-16.00	Improving Networking Performance of a Linux Cluster GAIDUCHOK Vladimir, BOGDANOV Alexander, AHMED Nabil, IVANOV Pavel, GANKEVICH Ivan
16.00-16.30	Coffee
16.30-16.45	Development of the Active Monitoring System for the Computer Center at IHEP KOTLYAR Victor, GUSEV Victor, IUTALOVA Anna, LATYSHEV Grigory, EZHOVA Victoria, ANSHUKOV Vladimir, SHISHOV Artur
16.45-17.00	IHEP Cluster for Grid and Distributed Computing KOTLYAR Victor, IUTALOVA Anna, EZHOVA Victoria, LATYSHEV Grigory, POPOVA Ekaterina
17.00-17.15	Security Infrastructure for Distributed Computing Systems on the Basis of Blockchain Technology KRYUKOV Alexander, DEMICHEV Andrey
17.15-17.30	DDS – The Dynamic Deployment System LEBEDEV Andrey, MANAFOV Anar

Databases, Distributed Storage Systems, Big Data Analytics Room 406A

14.30-14.45	Grid Datasets Popularity Estimation Using Gradient Boosting CHERNYUK Daria, TESLYUK Anton
14.45-15.00	Comparison of Parallelization Methods in New SQL DB Environment SHICHKINA Yulia, DEGTYAREV Alexander
15.00-15.15	PhEDEx - Main Component in Data Management System in the CMS Experiment VOYTISHIN Nikolay, MITSYN Valery
15.15-15.30	Data GRID and the Distributed Database System KYAW Thurein Lwin, BOGDANOV Alexander
15.30-15.45	Processing of Multidimensional Data in Distributed Systems for Solving the Task of Tsunami Waves Modeling SVESHNIKOVA Svetlana
15.45-16.00	Разработка комплекса баз данных для эксперимента CBM АЛЕКСАНДРОВ Евгений, АЛЕКСАНДРОВ Игорь, ФИЛИЗОВА Ирина, ИВАНОВ Виктор, ФОЛЬКЕР Фризе, АКИШИНА Елена
16.00-16.30	Coffee
16.30-16.45	Разработка и внедрение системы электронного документооборота "СЭД Дубна" в ОИЯИ АЛЕКСАНДРОВ Игорь, БЕЛЯКОВА Оксана, КОРЕНЬКОВ Владимир, КУНЯЕВ Сергей, ПЕЧНИКОВА Любовь, ПЛЯШКЕВИЧ Михаил, СЕМАШКО Сергей, ТРУБНИКОВ Григорий, УСТЕНКО Павел, ЧИКАЛИНА Светлана, ЯКОВЛЕВ Александр
16.45-17.00	GRAFANA и SPLUNK как пример решения проблем визуализации данных в современных системах сбора информации МИНЕЕВ Михаил, АЛЕКСАНДРОВ Евгений, АЛЕКСАНДРОВ Игорь

17.00-17.15	The Automation of the Content Filling for JDS System MUSULMANBEKOV Genis, FILOZOVA Irina, EGOROVA Olesya, KUNYAEV Sergey, SEMENOV Roman, SHESTAKOVA Galina, USTENKO Pavel, ZAIKINA Tatiana
17.15-17.30	Создание, поддержка и развитие модели интерпретации смыслов ФИЛОЗОВА Ирина, ДОБРЫНИН Владимир
17.30-17.45	Adaptive Method for Computer-Aided Translation of Research and Technology Texts INKINA Vera
17.45-18.00	Multidisciplinary Digest Structure Formation Methods KSHNYAKOV Dmitry
18.00-18.15	Scientific Visualization of Information Analytical Researches IONKINA Kristina

Consolidation and Integration of Distributed Resources. Distributed Computing in Education Room 406B

14.30-14.45	Methods of Semantic Integration in Distributed Information Systems: Challenges of Application AKATKIN Yuri, YASINOVSKAYA Elena
14.45-15.00	Интеграция эксперимента ALICE и суперкомпьютера Titan с применением системы управления потоками заданий PanDA КОНДРАТЬЕВ Андрей
15.00-15.15	PanDA for COMPASS: Processing Data via Grid PETROSYAN Artem
15.15-15.30	Using EGI Resources with Everest Platform SUKHOROSLOV Oleg, VOLKOV Sergey
15.30-15.45	Ontology Distribution for a Test Generation System GUSHCHANSKIY Dmitry, DEGTYAREV Alexander
16.00-16.30	Coffee
16.30-16.45	Tasks Scheduling Algorithms in Heterogeneous Cluster KHERLENCHEMEG Zolzaya, BEREENEN Lhagvasuren, DALANBAYAR Bolormaa
16.45-17.00	The Discussion Provides a Few Selected Examples Illustrating the Solution of Physics Problems. The Experience of Deploying a Virtual Computer Lab in Education — Running Failover Clusters in a Virtualized Environment BELOV Mikhail, CHEREMISINA Evgenia, TOKAREVA Nadezhda, LUPANOV Pavel
17.00-17.15	Established Educational & Training GRID Site in the National University of Mongolia DALANBAYAR Bolormaa, ERDENEBAT Baasanjargal, KHERLENCHEMEG Zolzaya
17.15-17.30	Интеллектуальный робототехнический тренажер РЕШЕТНИКОВ Андрей

Friday 08 July, 2016, LIT Conference Hall

Plenary

09.30-10.00	Online Processing of Large Volume of Experimental Data in Strong Electromagnetic and Radiation Fields in ITER SEMENOV Igor, KHILCHENKO Alexander, VOROBIEV Vyacheslav, PORTONE Sergey, MIRONOVA Ekaterina, NIKOLAEVA Daria
10.00-10.20	Geographically Distributed Software Defined Storage SHEVEL Andrey, KHORUZHNIKOV Sergey, KAIRKANOV Arsen, GRUDININ Vladimir, SADOV Oleg
10.20-10.40	Modeling of Electron Dynamics and Thermodynamics in DNA Chains LAKHNO Victor
10.40-11.00	UTFSM/CCTVAL Data Center: 10 Years of Experience IVANOV Yury, SALINAS Luis
11.00-11.30	Supercomputer Modelling the Destruction Processes of Interconnections in Electronic Circuits POLYAKOV Sergey, KARAMZIN Yuri, PODRYGA Viktoriia, POPOV Igor, FEDIRKO Valery
11.30-12.00	Plenary

12.00-13.30	Lunch
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Scientific, Industry and Business Applications in Distributed Computing System Conference Hall

13.30-13.45	New developments of Distributed Computing Technologies in Moldova BOGATENCOV Peter
13.45-14.00	Инфраструктура и основные задачи дата-центра института физики НАН Азербайджана БОНДЯКОВ Алексей
14.00-14.15	Kiam Job_Control Task Management System and Its Application to the Cloud and Grid Computing PUZYRKOV Dmitrya, PODRYGA Viktoriia, POLYAKOV Sergey, IAKOBOVSKII Mikhail
14.15-14.30	Визуализация большого массива данных по мгновенному сердечному ритму с использованием фазового пространства ИВАНОВ Александр, КУДИНОВ Алексей, МИХЕЕВ Сергей, ЦВЕТКОВ Илья, ЦВЕТКОВ Виктор
14.30-14.45	Регуляризация обратной задачи определения параметров нелокального переноса энергии в термоядерной плазме и ее решение методами оптимизации СОКОЛОВ Александр, ВОЛОЩИНОВ Владимир
14.45-15.00	Параллельные алгоритмы для 3d моделирования термических процессов в рамках гиперболических уравнений теплопроводности ТУХЛИЕВ Зафар, ШАРИПОВ Зариф, АМИРХАНОВ Илькизар
15.00-15.15	Непрерывно-атомистическое моделирование с использованием высокопроизводительных вычислительных систем процессов взаимодействия тяжелых ионов с металлами ДИМОВА Стефка, ПУЗЫНИН Игорь, ПУЗЫНИНА Таисия, ТУХЛИЕВ Зафар, ХРИСТОВ Иван, ХРИСТОВА Радослава, ЧЕРНОГОРОВА Татьяна, ШАРИПОВ Зариф

Cloud Computing, Virtualization Room - 310

13.30-13.45	JINR Cloud: Status Report KUTOVSKIY Nikolay, BALASHOV Nikita, BARANOV Alexandr, SEMENOV Roman
13.45-14.00	Monitoring Systems Comparison for Collecting Metrics for Cloud Management and Optimization KADOCHNIKOV Ivan, BALASHOV Nikita, BARANOV Alexandr, PELEVANYUK Igor, KUTOVSKIY Nikolay, KORENKOV Vladimir, NECHAEVSKIY Andrey, AIRIIAN Vagram
14.00-14.15	Smart Cloud Scheduler KORENKOV Vladimir, KADOCHNIKOV Ivan, PELEVANYUK Igor, NECHAEVSKIY Andrey, BALASHOV Nikita, BARANOV Alexandr, KUTOVSKIY Nikolay
14.15-14.30	Virtual Clusters as a Way to Experiment Software KROSHENINNIKOV Artem, KORKHOV Vladimir
14.30-14.45	Dynamical Virtualized Computing Clusters for HEP at Budker INP SUKHAREV Andrey
14.45-15.00	Cloud Platform for Data Management of the Environmental Monitoring Network: Uncia Icp Vegetation Case UZHINSKIY Alexander , KUTOVSKIY Nikolay, RUMYANTSEV Boris, NECHAEVSKIY Andrey, OSOSKOV Gennady, FRONTASYEVA Marina
15.00-15.15	Методика и алгоритм выбора стандартов для профиля нтероперабельности в облачных вычислениях. ИВАНОВ Сергей, ОЛЕЙНИКОВ Александр
15.15-15.30	bwCloud: cross-site server virtualization DULOV Oleg

Mathematical Methods and Algorithms for Parallel and Distributed Computing Room 406A

13.30-13.45	The Brachistochrone Problem as a Minimum Path on the Graph LOTAREV Dmitry
13.45-14.00	Прикладные проблемы решения задачи вписывания многогранников КОКОРЕВ Денис
14.00-14.15	Opportunistic Evolutionary Method to Minimize a Sum of Squares of Nonlinear Functions ZHABITSKY Mikhail
14.15-14.30	Эффективные алгоритмы построения и визуализации рельефа Земли и батиметрии Мирового океана ФАТЬКИНА Анна, ХРАМУШИН Василий
14.30-14.45	Особенности разделения процессов физического моделирования в континуально-корпускулярных вычислительных экспериментах ХРАМУШИН Василий, БОГДАНОВ Александр, ДЕГТЯРЁВ Александр
14.45-15.00	Hybrid Combination Genetic Algorithm and Gradient Methods to Train a Neural Network PRIEZZHEV Ivan and KOBRUNOV Alexander
15.00-15.15	Полные графы и сети и проблема реализуемости в них потоков продуктов ГРИНБЕРГ Яков

15.30	Closing
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