

JOINT INSTITUTE FOR NUCLEAR RESEARCH LABORATORY OF INFORMATION TECHNOLOGIES

The 4th International Conference "Distributed Computing and Grid-technologies in Science and Education"

June 28 - July 3, 2010
Dubna, Russia

The International Conference "Distributed Computing and Grid-technologies in Science and Education" will take place in the Laboratory of Information Technologies of the Joint Institute for Nuclear Research from June 28 to July 3, 2010. This Conference is devoted to the 80th anniversary of birth of N.N.Govorun (1930-1989), a prominent researcher and a corresponding member of the USSR Academy of Sciences.

The Conference on distributed computing and grid-technologies is held in Dubna every 2 years. The forthcoming conference will be the fourth one. The third conference that was held in 2008, was attended by more than 200 participants from 20 countries, more than 100 reports were presented. All the relevant information on the last conference is available at <http://grid2008.jinr.ru>. The reports have been published in the Conference Proceedings ("Distributed Computing and Grid-technologies in Science and Education", Dubna: JINR, 2008.-400p. ISBN 978-5-9530-0198-4). The Conference was supported by the Russian Foundation for Basic Research and sponsored by the companies "T-Platforms", "Niagara", "SuperMicro", "EtegroTech.", IBM. For the last few years the distributed computations and grid-technologies have gone beyond only scientific applications and found their increasing use in education, industry and business. A promising direction named "cloud computing" has attracted big interest lately. There is a positive experience in implementing this technology by the largest IT-companies. IBM, HP, Sun, Amazon and others have already used this approach to develop flexible and scaled solutions taking into account business requirements. A discussion on the development of the global grid-infrastructure providing the optimal use of computing resources and data storage resources on the basis of national grid-infrastructures (National Grid Initiatives, NGIs) is planned.

Subject of the Conference:

- Issues of creation and experience of exploiting grid-infrastructures;
- Methods and technologies of distributed computing, questions of architecture;
- Network infrastructure for distributed data processing and data storage;
- Algorithms and methods of solving applied problems within the distributed computing environments;
- Theory, models and methods of distributed data processing;
- Distributed information systems: technologies of construction and experience of use;
- Grid-applications in science (physics, chemistry, biology and biomedicine, Earth science and others);
- Grid-applications in education;
- Grid-applications in business;
- "Cloud computing" and consolidation of distributed resources.

The main purpose of the Conference is to discuss a state of affairs in the development of grid-technologies in Russia and worldwide, to make plans for the further cooperation, to exchange experience on the creation of grid-infrastructures and the development of grid-applications in various fields of human's activity.

Programme of the Conference includes plenary reports (30 minutes), sectional reports (15 min) and poster presentations.

Conference languages - Russian and English.

Important dates

- Presentation of theses - till May 20, 2010 (on-line at registration or by e-mail)
- Visa support - till May 15, 2010
- Registration of participants till June 10, 2010 (on-line)
- Arrival and hotel accommodation – from 27 June, 2010
- Departure: July 3-4, 2010

The Conference will be held in the Conference Hall of the Laboratory of Information Technologies, JINR.

Contacts

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