ORM-2010 in Moscow
Report about
VI Moscow International Conference on Operation Research

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The *VIth Moscow International Conference on Operation Research (ORM-2010)* was held on 19-23 of October 2010 in Moscow. ORM is a threeannual conference organized by *Dorodnicyn Computing Center* of the *Russian Academy of Sciences (RAS)*, *Lomonosov Moscow State University* and *Russian Scientific Operation Research Society*. The program covers main theoretical fields and various applications of operations research. ORM-2010 included 12 sections: Analysis of political processes and corruption, Applications of stochastic processes, Computer-aided design, Game-theoretic models, Markets and auctions: analysis and design, Multi-criteria optimization, Network problems, OR in economics, OR on financial markets, OR in insurance, OR in medicine, biology and ecology, Optimization methods of OR. 275 Russian scientists and 38 foreign researchers presented their results at the conference.

Plenary talks were primarily devoted to economic applications of OR. I. Pospelov proposed a model that explains why aggregate behavior of many similar agents looks more rational than individual behavior of a particular agent. Ya. Mirkin considered different scenarioes of the world economic development and the corresponding forecasts of financial dynamics. M.Vaschenko et al. proposed a macroeconomic model for mead-term analysis of Russian economy. A. Vasin described a mechanism of corruption suppression that provides honest behavior of 100 000 taxpayers with relatively small costs and using only 10 honest auditors. V. Polterovich and O.Starkov discussed Russian realty market and the way out of the institutional trap blocking its development. A. Lotov told about application of multi-criterial optimization methods to water quality planning in Googong Reservoir (Australia). F. Aleskerov discussed financial investments and explained why it is not worth to try to catch "black swans" for an ordinary investor. G.-W. Weber presented new mathematical tools for the financial sector and a new robust CMARS method, and he cordially invited the participants to attend *IFORS 2011* and *EURO 2012*, and he conveyed the Call for Papers to *IFORS Price for OR in Development 2011*.

Besides that, Yu. Evtushenko, M. Posypkin and I. Sigal considered a software for multi-processor computers, A. Strekalovskiy told about modern methods of global optimization, Yu. Flerov described a new software for computer-aided design, and Yu. Pavlovskiy discussed mathematical tools and humanitarian concepts in military applications of OR.

Detailed information is available at http://io.cs.msu.su/index_eng.htm and in the proceedings of the conference.

By the participants who attended, this conference was perceived as very carefully prepared and of a high scientific level. In fact, the traditionally excellent Russian university education and culture of scientific discourse became combined with the internationality of the conference guests and with the discussion on future collaboration. Projects of collaboration can take place bi- and multilaterally between individual scientists, but also among the local and nationwide

groups and organizations of OR. A. Vasin told about the present situation and the tendencies of OR in his country regarding the question of further integration. Already, he himself is actively involved in conferences of *GOR*, *EURO* and *IFORS*.

The scientific excellence of the conference and the willingness and sincere interest to deepen and continue friendship and fruitful collaboration, are remaining gains of those wonderful winter days in the impressive and booming city a Moscow, where old Russia and a Russia of the future have begun to meet in an exciting way.

Prof. Dr. Alexander Vasin

Impression from a Dinner with Russian Friends

Lomonosov Moscow State University, Main Building
(source: wikipedia; author: Pavel Kalachinsky)

Dorodnicyn Computing Center of RAS