The Russian Branch of SD Society

The Russian Branch of the International Society of System Dynamics was created 4 years ago. We guess that the main tasks of the Society is propagation of system dynamics in Russian - speaking academic and practical environment by means of granting the information in Russian and English languages, an exchange of experience between members of a society, and adjustment of business and research contacts, support of activity of "System Dynamics Society" in Russia

In 2010 members of the Society created the website www.sysdynamics.ru ,

Activity of the Russian branch includes:

- Provision of the information for experts, researchers
- organization of regular meetings, round tables and conferences on system dynamics and application of imitating modeling (simulation modeling)
- promotion of initiatives on the organization of educational programs, the master of classes on training to system dynamics
- Publications scientific, popular, and methodical works

Participation of the Society in the international and Russian scientific conferences.

During the last three years the Russian branch of the Society presented posters on the International Conference of System Dynamics (Athenes, Albuquerque, Seoul) where the key activities, large scientific schools and its certain personalities are presented

The companies «XJ Technologies » (St.-Petersburg) and "Forecast" during the last 5 years acted as sponsors of the International SD Conference.

Organizers: Open Society «The Center of technology of shipbuilding and ship repair » (St.-Petersburg); College of computer science and automation of the Russian Academy of Science (St.-Petersburg); Branch of nanotechnology and information technologies of the Russian Academy of Science (Moscow); the Russian national committee on the industrial and applied mathematics.

The sixth time there will be organized the All-Russia scientifically-practical conference (with the international participation) «Theory and practice of system dynamics » in the city of Apatitys in the spring 2011.

Organizers: branch of Nanotechnology and Information technologies of the Russian Academy of Sciences, the branch of the Russian academy of sciences Institute of the system analysis of the Russian Academy of Science, the branch of the Russian Academy of sciences Institute of computer science and mathematical modeling of technological processes.

Every May there is an annual International conference at the School of Public Administration of the Lomonosov Moscow State University «Government in the XXI century: traditions and innovations » (the separate section on imitating modeling and simulation games).

In 2009 in SUM (State University of Management) during the International conference a round table was lead by Lychkina N.N. « THE VERTICAL OF STRATEGIC PLANNING: THE ADVANCED METHODS AND TOOLS OF DECISION-MAKING » which has caused a good response and interest of experts in the field of system dynamics.

In Sudak (Crimea) there has passed the international student's school a seminar « New information technologies », Lychkina's plenary report « System dynamics and administrative consulting. Dynamic architecture of the enterprise ».

18 - 22 May, 2010. Kyoto, Japan. URBIO2010, International Conference on Urban Biodiversity and Design, Kavtaradze Dmitri, Lychkina Natalya and Volkov Vladimir presented the report "System Dynamics Simulation Modeling as the tool in Urban and Ecological Network Biodiversity Management ". The report included the SD model of Korolyov city which was developed due to scientific cooperation of SUM and the Moscow State University. This project led by Lychkina N.N. and Dmitry Kavtaradze was marked by the diploma of the Open competition of the Ministry of Education and the Science of 2010 research work of SUM students.

Teaching of bases of system dynamics at the leading Russian universities.

Currently SD is taught:

1) M.V. Lomonosov Moscow State University, The School of Public Administration Faculty of the government, Laboratory of simulation under direction of D.N.Kavtaradze is engaged in development of educational games on the basis of system-dynamic models. Dmitry Katalevsky, a graduate student of University at Albany (SUNY) is one of the most active specialists of this Laboratory who's engaged into teaching of SD and the basics of ABM. Dmitry is now working on a monograph of SD popularization (expected to be published by the end of March 2011.

Together with Dmitry Kavtaradze, Vladimir Solodov and Dmitry Katalevsky the innovative course for MSU student on managing the complex systems is taught every semester. The course includes basics of SD, Agent-based modeling and Networks Analysis.

2) SUM, Faculty of Economic Cybernetics, Faculty of Information systems. Lychkina N.N. is heading SD teaching in the SUM. She's also responsible for organizing educational programs for Management, IT-specialists covering topics on simulation of economic & business processes programs of training of state employees.

3) High School of Economics: educational programs at the faculty of Business & computer science .

At some business schools in Moscow**:**

4) at the High School of Business of SUM (Director Godin Vladimir Viktorovich)

5) at the High School of Business of the Lomonosov Moscow State University (N. Lychkina's program « Imitating modeling of economic processes », « Systems of support of decision-making »)

Large scientific schools in the field of SD also exist in various Russian academic institutes.

The leading Russian companies and consulting activity.

The company «XJ Technologies » (St.-Petersburg) (Director Borschev Andrey) – the developer of Anylogic. In 2010 they arranged two trainings in St.-Petersburg where people were trained in simulation modeling including SD.

Together with SUM XJ Tech have navigated a new pioneering training in Moscow at SUM, which focus has became SD approach. Special attention was paid to studies of J. Forester's works. The training focused on effective administrative decisions with application of modern technologies of simulation modelling.

Authors of the program:
General director «XJ Technologicals » Borshchev A.V., PhD.
Senior Lecturer at SUM Lychkina N.N., Ph.D.

The Forecast Company. The " Forecast " Company (the Gen. director Andrianov Dmitry Leonidovich) is currently one of leading Russian developers of intellectual systems in the field of data management, monitoring, analysis, modeling and forecasting aimed at increase of efficiency of management. The product of the Company are highly demanded by both Russian state and business-structures, and foreign counterparts.

Workshop of imitating modeling under direction of Lychkinoj N.N., consulting projects for the enterprises and the government

Manuals are prepared and issue

There are a number of activities in this field:

1. N. Lychkina in cooperation with the largest Russian publishing house INFRA M is publishing a monograph on SD and fundamental works of J. Forester, modeling of the enterprises, social and economic systems, etc.

2. In print is currently a book of Dr, Dmitry Kavtaradze on simulation games
3. In print is a textbook of Dmitry Katalevsky, Ph.D. on foundamentals of system thinking and SD

Further development and International cooperation

Are ready to cooperate with Western business schools and scientific centers to carry out joint scientific researches, organize round tables and conferences.

We welcome the members of SD Society to strengthen cooperation with the Russian branch and are ready to provide support being backed up by the State University of Management, the Moscow State University and others. Companies «XJ Technologies» and "Forecast" are ready to provide organizational support as well.

Today there is a certain interest to SD and simulation modeling from both business and government organizations and we are ready to respond to these challenges in cooperation with our international colleagues.