Vetroy Anatoly Nikolaevich, author of the unique cognitive modeling technology

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THE FUNDAMENTAL RESEARCHES EXHIBITIONS BRANCH
"COGNITIVE MODELING IN THE EXACT SCIENCES" ("OEMMPU")

OF ""SPBEC N.A. L.I. BREZHNEV" AT "EAST N.A. A.A. SOBCHAK""

The developed "The fundamental researches exhibitions branch
"Cognitive modeling in the exact sciences" ("OEMMPU")

treats to the fundamental researches (financing) exhibitions divisions of ""Saint-Petersburg exhibition centre named after L.I. Brezhnev" at "Exhibition of achievements of science and technology named after A.A. Sobchak""

(""SPBEC n.a. L.I. Brezhnev" at "EAST n.a. A.A. Sobchak" — The EC) as the first EC in structure of "The SIO "Academy of cognitive natural sciences" ("The SIO "ACNS""), an additional component of science and education system of the modern country for the promotion (of financing) of creation, distribution and use of the fundamental main and derivative scientific results of the cognitive modeling technology (CMT) (www.vetrovan.(spb.)ru) [see the fundamental researches exhibitions branches and departments of The EC]:

1) it is executed by the principle of "administrative-economy submission";

2) works in several main directions, which allow to provide the promotion of development, production and distribution of the fundamental main and derivative scientific results (my second report on SRW from 2006-2008(9) y. was submitted to "The SPbSETU" LETI"" and The Government of The RF for the translation, carrying out of int. action and receiving of "The Nobel Prize");

3) in cludes several various main division separtment

"The fundamental researches exhibitions department
"The theory of the (theoretical) mechanics and gyroscopes"" ("SM") (") [the propaganda of fundamental researches exhibitions department
"The theory of the (theoretical) mechanics of liquid and gas, theory of general mechanics, theory of mechanics, of theoretical mechanics, theoretical bases of cognitive modeling technology in theore theoretical bases of cognitive modeling technology in theoretical mechanics, theoretical bases of formation of parametrical cognitive models block for the complex system analysis of objects, processes and phenomena of theoretical mechanics, theory of ways of representation of structure of cognitive models and problem environments: formal classical of the 0th generation (logical and production models), nonformal classical of the 0th generation (semantic network, frame network and ontology), formal new of the 0th generation (calculus of theory of sets and corteges on domains and innovative calculus of theory of sets and graphs), nonformal new of the 0th generation (multilevel structural scheme and multilevel encapsulated pyramids combining theory of graphs and theory of sets), flat of the 1st generation (cognitive circle and cognitive disc), volumetric of the 1st generation (cognitive cylinder, cognitive cone and cognitive sphere), flat and volumetric of the 2th generation (one, two, three, four, five-and more cognitive cognitive disc, cognitive cylinder, cognitive cone and cognitive sphere), hybrid of the 3th generation (combinations of the existing cognitive models), theory of adaptive automation means of research of objects, processes and phenomena of theoretical mechanics, theory of technical means of the complex system analysis support of difficult objects, processes and phenomena of theoretical mechanics (automation means of formation and research of cognitive circle, cognitive disc, cognitive cylinder, cognitive cone, cognitive sphere, one-, two-, tree-, fore-, five- and more cognitive cone, cognitive sphere, one-, two-, tree-, fore-, five- and more cognitive sphere and others), theory of factors influencing to efficiency of functioning of objects, processes and phenomena of theoretical mechanics, theory of research of parameters of parametrical cognitive models block, theory of choice of statistical analysis methods of generated data sets, the ory of a nalysis of processes and phenomena of theoretical mec

the propaganda of fundamental researches and developments in area "Theoretical mechatronics" theoretical bases, general tasks and methods of theoretical mechatronics, theory of general theoretical mechatronics, theory of mechatronics of liquids and gas, theory of deformable firm body, theory of complex and special sections of theoretical mechatronics, theory of automation means and devices of mechatronics, theory of cognitive modeling technology in theoretical mechatronics (theory of hygroscope building)]. II. "The fundamental researches exhibitions department "The theory of the mechanical-engineering, instrument making and metrology"" ("SPMPU") [the propaganda of fundamental researches and developments in area "Theoretical mechanical-engineering" theory of machine-engineering science and details of machines, theory of machine-building materials, theory of technology of mechanical-engineering, theory of foundry manufacture, theory of forge-stamp manufacture, theory of assembly manufacture, theory of cutting of materials, theory of electrical-physical-chemistry processing, theory of thermal and strengthening processing, theory of furnish of surfaces and drawing of coverings, theory of manufacture of products from powder materials, theory of manufacture of nonmetallic products, theory of machine-tool construction, theory of robotics, theory of tool manufacture, theory of mining mechanical-engineering, theory of metallurgical mechanical-engineering, theory of reactor construction, theory of turbine construction, theory of special power installations, theory of chemical and oil mechanical engineering, theory of locomotive construction and carriage building, theory of engine construction, theory of motor car building, theory of ship building, theory of aircraft building, theory of space technics and rocket building, theory of hoisting-transport mechanical-engineering, theory of building and road mechanical-engineering, theory of communal mechanical-engineering, theory of tractor and agricultural mechanical-engineering, theory of mechanical-engineering for light industry, theory of polygraphic mechanical-engineering, theory of mechanical-engineering for food-processing industry, theory of mechanical-engineering for trade and public catering, theory of household machines and devices, theory of manufacture of weapon, theoretical bases of other branches of mechanical-engineering, theory of cognitive modeling technology in theoretical mechanical-engineering;

the propaganda of fundamental researches and developments in area Theoretical instrument making neoretical bases of instrument maki theoretical making, theory of general technology of production and equipment in instrument making, theory of designing and constructing of devices, theory of devices for measurement of electrical and magnetical sizes, theory of devices for measurement of mechanical sizes, theory of devices for measurement of time and frequency, theory of devices for measurement of composition (structure) and physical-chemical properties of substances and materials, theory of devices for thermal-technical and thermal-physical measurements, theory of devices for measurement of acoustical sizes and characteristics, theory of devices for measurement of optical and lighting sizes and characteristics, theory of devices for measurement of ionization radiations, theory of devices of not destroying control of products and materials, theoretical bases of general structural elements, units of measuring devices and systems, devices of interface and office equipment means (periphery), theory of cognitive modeling technology in theoretical instrument making; the propaganda of fundamental researches and developments in area "Theory of scientific bases and technical means of theoretical metrology and metrological support, theory of state, national and international systems and services of metrology, theory of measurement of separate sizes and characteristics, theory of standard samples of structure and properties of substances and materials, theory of cognitive modeling technology in theoretical metrology (theory of measurement)]. III. "The fundamental researches (financing) exhibitions department "The theory of the power engineering and electrical-engineering" ("SE") the propaganda of fundamental researches and developments in area "Theory of power resources, theory of power balance, theory of electrical-power-engineering (industry), theory of thermal-power-engineering (industry), theory of heating-engineering, theory of atomic-power-engineering (industry), theory of atomic-power-engineering (industry), theory of water-power-engineering (industry), theory of helium-power-engineering (industry), theory of wind-power-engineering (industry), theory of direct transformation of energy, theory of cognitive modeling technology in theoretical power-engineering; the propaganda of fundamental researches and developments in area "Theoretical electrical-engineering" theory of electrical-engineering, theory of electrical-technical materials, theory of electrical machines, theory of electrical devices, theory of transformers and electrical reactors, theory of power electrical condensers, theory of power converting technics, theory of electrical drive, theory of electrical-thermy, theory of electrical-welding equipment, theory of wire and cable, theory of electrical isolators, theory of light-engineering, theory of electrical-technical equipment of special purpose, theory of cognitive modeling technology in theoretical electrical-engineering]. The fundamental researches exhibitions branches and departments of The EC allow to propagandize of development, production and financing

of the fundamental main and derivative scientific results of CMT.