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THE FUNDAMENTAL RESEARCHES FINANCING BRANCH "COGNITIVE MODELING IN THE INDUSTRY

AND CHEMICAL SCIENCES" ("OHNM")
OF "THE SF "SFA CMT" NAMED AFTER N.A. PROKOPENKO"
The developed "The fundamental researches financing branch "Cognitive modeling in the industry and chemical sciences"" ("OHNM") treats to the fundamental researches financing divisions of "The scientific fund "System and financial analysis based on cognitive modeling technology" named after N.A. Prokopenko" ("The SF "SFA CMT" named after N.A. Prokopenko" – The SF) as the first SF 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 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 financing branches and departments of The SF]:
1) it is executed by the principle of "administrative-economy submission";
2) works in several main directions, which allow to provide the financing of development, production and promotion 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) includes <u>several various main divisions</u>: I. <u>"The fundamental researches financing department</u> "The theory of the easy, food, forestry and wood processing industry, the architecture and construction, the agriculture, forestry, water, fish economy and aqua-culture" ("SNM") (*) [the financing of fundamental researches and developments in area "Theory of textile industry, theory of knitted industry, theory of clothing industry, theory of tanning industry, theory of tanning industry, theory of industry of artificial leather and film materials, f u r theory of shoe industry, theory of leather-haberdashery industry, theory of bristle-brush manufacture, theory of accessories manufacture, theory of cognitive modeling technology in theoretical light industry; the financing of fundamental researches and developments in area "Theoretical food processing industry" - theory of food raw material and auxiliary materials, theory of processes and devices of food manufactures, theory of (grain-)elevator and flour(-grinding)-sereals (croup) industry, the ory of mixed-fodder industry, theory of baking of bread and macaroni industry, theory of confectionery industry, theory of sugar industry, theory of starched-treacle industry, theory of barmy industry, theory of brewing industry, theory of spirituous industry, theory of high-alcohol drinks industry, theory of wine-making (vinous) industry, theory of soft (without alcohol) drinks industry, theory of canning, vegetable drying and food-concentrate industry, theory of food-gustatory industry, theory of tobacco industry, theory of meat and bird fancier processing industry, theory of manufacture of eggs and egg products, theory of dairy (milk) industry, theory of creamery (butter-fatty) industry, theory of cognitive modeling technology in theoretical food processing industry;

the financing of fundamental researches and developments in area "Theoretical forestry and wood processing industry" - theory of wood science, theory of forestry-cutting works, theory of forestry transportation, theory of forestry-timber works, theory of technology and equipment for wood processing, theory of saw mill wood processing manufacture, theory of joiner-building products manufacture, theory of matches manufacture, theory of furniture manufacture, theory of matches manufacture, theory of furniture manufacture, theory of matches manufacture, theory of wooden container manufacture, theory special wood processing manufactures, theory special wood processing manufactures, the ory of pulp-paper industry, theory of cognitive modeling technology in theoretical wood processing industry; the financing of fundamental researches and developments in area "Theoretical architecture and construction" (*)—engineering-theoretical bases of construction, theory of architecture, theory of building materials and products, theory of building constructions theory of technology of construction-installation works theory of building constructions, theory of technology of construction- installation works, theory of technology of building materials and products, theory of machines and mechanisms, theory of equipment and tool, used in construction and building materials industry, theory of engineering researches in construction, theory of architectural-building designing, theory of regional lay-out, theory of town-planning, theory of objects of construction, theory of engineering support of objects of construction, theory of tendencies, dependences and laws in architecture and construction, the ory of the objects of construction, theory of tendencies, dependences and laws in architecture and construction, theory of cognitive modeling technology with dynamic cloning, verification and subverification, theory of iterative cycle and technique of use of cognitive models block for architecture and construction (havildings and construction based on a continuous construction (havildings and constructions based on a continuous construction (havildings and constructions based on a continuous construction) (buildings and constructions based on cognitive circle, cognitive disc, cognitive cylinder, cognitive cone and cognitive sphere), 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) 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 2nd generation (one-, two-, three-, four-, five- and more cognitive circle, cognitive disc, cognitive cylinder, cognitive cone and cognitive sphere), hybrid of the 3rd generation (combinations of the existing cognitive models), theory of algorithm of formation of cognitive model structure, theory of technique of research of cognitive model parameters, theory of algorithm of analysis of a posteriori data of research, theory of adaptive automation means of architecture and construction (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 sphere and others), theory of statistical substantiation of practical use of received results, theory of factors influencing to efficiency of construction of buildings and constructions, theory of organization and plan of carrying out of experiment, theory of research of parameters of parametrical cognitive models block, theory of preliminary processing of a posteriori results of diagnostics, theory of choice of statistical analysis methods of generated data sets, theory of analysis of productivity dynamics of construction, theory of dispersion, regression, discriminant, cluster analysis, multidimensional scaling, factor analysis and bibliographical lists;

the financing of fundamental researches and developments in agea theory of agricultural biology, theory of soil science, theory of agricultural ploints, theory of agricultural ploints in protection, theory of agricultural plants protection, theory of agricultural production, theory of agricultural plants protection, theory of agricultural production, and of plants and of agricultural production, theory of mechanization, and of plants and of agricultural production, and of plants and agricultural production and plants and plants and agricultural production and plants and agricultural production and plants and agricultural plants and agricultural production and agricultural science, and agricultural plants and agricultural plants and agricultural plants and agricultural plants agricultural plants and agricultural plants agri