"the author of the unique technology" of cognitive modeling" Vetrov Anatoly Nikolaevich www.vetrovan.(spb.)ru

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THE FUNDĂMENTAL RESEARCHES EXHIBITIONS BRANCH "COGNITIVE MODELING IN THE INDUSTRY

AND CHEMICAL SCIENCES" ("OHNM")
OF ""SPBEC N. A. BREZHNEV L.I." AT "EAST N. A. SOBCHAK A.A."" The developed "The fundamental researches exhibitions branch "Cognitive modeling in the industry and chemical sciences" ("OHNM") treats to the fundamental researches (financing) exhibitions divisions of ""Saint-Petersburg exhibition centre named after Brezhnev L.I." at "Exhibition of achievements of science and technology named after Sobchak A.A."" (""SPbEC n. a. Brezhnev L.I." at "EAST n. a. Sobchak A.A."" – EC) as the first EC in the structure of "SIO "Academy of cognitive natural sciences"" ("SIO "ACNS"") and the add. component of the system of science and education 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 EC]: 1) it is executed by the principle of "administrative-economy submission" 2) works in the 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 "SPbSETU "LETI"" and "The Government of RF" for the translation, carrying out of int. action and receiving of "The Nobel prize"); 3) in cludes the several various main divisions:
I. "The fundamental researches exhibitions department
"Theory of the easy, food, forestry and wood-processing industry, architecture and constructions, the agriculture, forestry, water, fish economy and aqua-culture" ("SNM") (*) [the propaganda of fundamental researches and developments in the area "Theory of textile industry, theory of knitted industry, theory of tanning industry, theory of the industry of artificial leather and film materials, theory of shoe industry, theory of leather-haberdashery industry, theory of bristle-brush manufacture, theory of the manufacture of furniture, theory of the cognitive modeling technology in the theoretical light industry; the propaganda of fundamental researches and developments in the area "Theoretical food-processing industry" - theory of food raw materials and auxiliary materials, theory of the processes and devices of food manufactures, theory of (grain-)elevator and flour(-grinding)-sereals(croup) industry, theory of mixed-food der 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 the industry of high-alcohol drinks, theory of wine-making (vinous) industry, theory of the industry of without-alcohol (soft) drinks, 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 the manufacture of eggs and egg products, theory of dairy (milk) industry, theory of butter-fatty (creamery) industry, theory of the cognitive modeling technology

in the theoretical food-processing industry;

the propaganda of fundamental researches and developments in the area "Theoretical forestry and wood-processing industry" - theory of wood-science, theory of forestry-cutting works, theory of the transportation of wood, theory of forestry-timber works, theory of technology and equipment for the processing of wood, theory of forestry-sawmill manufacture, theory of the manufacture of joiner-building products, theory of the manufacture of plywood and plates, theory of the manufacture of furniture, theory of the manufacture of matches, theory of the manufacture of wooden container, theory of the special wood-processing manufactures, theory of the special wood-processing manufactures, theory of pulp-paper industry, theory of the cognitive modeling technology in the theoretical forestry and wood-processing industry; the propaganda of fundamental researches and developments in the area "Theoretical architecture and construction" (*) "Theoretical architecture and construction" (*) the engineering-theoretical bases of construction, theory of architecture, theory of building materials and products, theory of building constructions, theory of the technology of building-installation works, theory of the technology of production of the building materials and products, theory of machines and mechanisms, equipment and tools, used in construction and the industry of building materials, theory of engineering researches in construction, theory of architectural-building designing, theory of district lay-out, theory of town-planning, theory of the objects of construction, theory of the engineering support of the objects of construction, theory of tendencies, dependences and laws in architecture and construction, theory of the cognitive modeling technology with dynamic cloning, verification and subverification, theory of the iterative cycle and the technique of use of the cognitive modeling technology, theory of the parametrical cognitive models block for architecture and construction (the buildings and constructions based on the cognitive circle, cognitive disc, cognitive cylinder, cognitive cone and cognitive sphere), theory of the ways of representation of the structure of the cognitive models and problem environments: the formal classical of the 0th generation (the logical and production models), the nonformal classical of the 0th generation (the semantic network, the frame network and ontology), the formal new of the 0th generation (the calculus of theory of sets and corteges on domains and the innovative calculus of theory of sets and graphs), the nonformal new of the 0th generation (the multi-level structural scheme and the multi-level encapsulated pyramids combining theory of graphs and theory of sets), the flat of the 1st generation (the cognitive circle and the cognitive disc) the flat of the 1st generation (the cognitive circle and the cognitive disc), the volumetric of the 1st generation (the cognitive cylinder, the cognitive cone and the cognitive sphere), the flat and volumetric of the 2nd generation (the one-, two-, three-, four-, five- and more cognitive circle, cognitive disc, cognitive cylinder, cognitive cone and cognitive sphere), the hybrid of the 3rd generation (the combinations of the existing cognitive models), theory of the algorithm of formation of the cognitive model structure, theory of the technique of research of the cognitive model parameters, theory of the algorithm of analysis of a posteriori data of research, theory of the adaptive automation means of architecture and construction (the automation means of formation and research of the cognitive circle, cognitive disc, cognitive cylinder, cognitive cone, cognitive sphere, one-, two-, three-, fore-, five- and more cognitive sphere and others), theory of the statistical substantiation of practical use of the received results, theory of the factors influencing to the efficiency of construction of the buildings and constructions, theory of organization and plan of carrying out of the experiment, theory of the research of parameters of the parametrical cognitive models block, theory of preliminary processing of a posteriori results of diagnostics, theory of choice of the statistical analysis methods of the generated data sets, theory of the analysis of dynamics of the resultativity of construction, theory of dispersion, regression, discriminant, cluster analysis, multidimensional scaling, factor analysis and bibliographic lists;

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