""the author of the unique technology" of cognitive modeling" Vetrov Anatoly Nikolaevich

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THE FUNDANTIVE MODELING IN THE DOUSTRY

OF "SIO "ACADEMY OF COONTIVE NOTITIVE NOTITIVE MODELING".

The developed "The fundamental scientific researches branch "Cognitive modeling in the industry and chemical sciences" ("OHNM") treats to the fundamental scientific researches branch "Cognitive modeling in the industry and chemical sciences" ("OHNM") treats to the fundamental scientific researches branch "SIO." Academy of cognitive natural sciences" ("SIO "ACNS") as the main component of the system of science and education of the modern country for the creation, distribution and use of the main and derivative scientific results of the cognitive modeling technology (Charlow Www.yestyon.) (NSS") is secured by the principle of "administrative-economy submission": 2) works in the several main directions, which allow to provide the development of the fundamental main and derivative scientific results (my. sccold report on SRW, from 2006-2008(9) y. was submitted to "SPOSETU" LETT" and "The Government of RE" for the translation, carrying out of int. action and receiving of "The Nobel prize";

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2) The fundamental scientific researches in the area "The fundamental scientific researches in the area "The fundamental scientific researches in the area "The or et ic a light in dustry, theory of see industry, theory of the processes and devices of food-processing manufactures, theory of the processes and devices of food-processing manufactures, theory of the manufacture of ply of the manufacture of long processing manufactures, theory of the manufacture

the fundamental scientific researches in the area "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 technology of construction-installation works, theory of the technology of production of the building materials and products, theory of machines and mechanisms, equipment and tools, used in the construction and the industry of building materials, theory of engineering researches in construction, theory of architectural-construction 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 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 0<sup>th</sup> generation (the logical and production models), the nonformal classical of the 0<sup>th</sup> generation (the semantic network, the frame network and ontology), the formal new of the 0<sup>th</sup> 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 0<sup>th</sup> generation (the multi-level structural scheme and the multi-level encapsulated pyramids combining theory of graphs and theory of sets), the flat of the 1<sup>st</sup> generation (the cognitive circle and the cognitive disc), the volumetric of the 1<sup>st</sup> generation (the cognitive cylinder, the cognitive cone and the cognitive sphere), the flat and volumetric of the 2<sup>nd</sup> generation (the one-, two-, three-, four-, five- and more cognitive circle, cognitive disc, cognitive cylinder, cognitive cone and cognitive sphere), the hybrid of the 3<sup>rd</sup> 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 the dispersion, regression, discriminant, cluster analysis, multidimensional scaling, factor analysis and bibliographic lists; the fundamental scientific researches in the area "Theoretical agriculture and forestry"— theory of agricultural biology, theory of soil-science, theory of agriculture, theory of agricultural melioration, theory of agro-chemistry, theory of plant-growing-science, theory of the protection of agricultural plants, theory of live-stock-farming (animal-industry), theory of veterinary-science, theory of the preparation of agricultural production, theory of hunting and hunting economy, theory of forestry, theory of economics and organization of agriculture, theory of the mechanization and electrification of agriculture, theory of the cognitive modeling technology the theoretical agriculture and forestry;

the fundamental scientific researches in the area "Theory of water economy, theory of water economy construction, theory of hydro-technical and hydro-ameliorative constructions, theory of irrigation and water-supply, theory of irrigating systems, theory of drying systems, theory of sewage waters, their clearing and use, theory of the quality of water, theory of tests, measurements, control in the water economy, theory of mechanization and automation in the water economy, theory of mechanization and automation in the water economy, theory of the complex use of water resources, theory of the cognitive modeling technology in the theory of the cognitive modeling technology; the fundamental scientific researches in the area "Theoretical fish economy and aqua-culture"—theory of the biological resources of The World ocean and internal reservoirs, theory of aqua-culture, theory of fish-breeding (culture), theory of industrial fishery, The or etical fish economy and aqua-culture" attempts of the biological resources of the World ocean and internal reservoirs, theory of aqua-culture, theory of fish-breeding (culture), theory of findustrial fishery, theory of the technical operation of the fleet of fishing industry, theory of the technical operation of the fleet of fishing industry, theory of the technical operation of the fish seaports, theory of the technical operation of the fish-processing industry, theory of the equipment for the fish-processing industry, theory of the equipment for the fish-processing industry, theory of the considering of the raw materials of water origin, theory of the equipment for the fish-processing industry. The ory of the considering of the raw materials of water origin, theory of the equipment for the fish-processing industry. The fundamental scientific researches in the area of the original manual scientific researches in the area of the ory of the general-laboratory chemical industry. SCHN' theory of the general-laboratory chemical equipment, theory of the general-laboratory chemical equipment, theory of complex compounds, theory of analytical chemistry, theory of organic chemistry, theory of organic chemistry, theory of organic chemistry, theory of of maluratory organic chemistry, theory of the natural organic compounds, theory of biological chemistry, theory of modeling of the structure of the (non)organic chemistry, theory of modeling of the structure of the (non)organic chemistry, theory of modeling of the structure of the (non)organic chemistry in the ory of production of the structure of the (non)organic chemistry, theory of production of the structure of the (non)organic chemistry in the ory of the processes and devices of chemical technology, theory of chemical raw materials, theory of production of the structure of the (non)organic chemical protection means, theory of the technology of production of the chemical production of the technology of production of the chemical production of the technology of p allow to develop the main and derivative scientific results of CMT.