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

The RF, Saint-Petersburg city

THE APPLIED DEVELOPMENTS DIRECTION

"COGNITIVE MODELING IN THE NATURAL SCIENCES" ("NEN") OF "THE SRI "SFA CMT" OF "THE RA(N)S" NAMED AFTER V.N. VENIAMINOV" (PÁRT4)
The developed "The applied developments direction "Cognitive modeling in the natural sciences" ("NEN") treats to the applied developments divisions of "The scientific-research institute "System and financial analysis based on cognitive modeling technology" of "The RA(N)S" named after V.N. Veniaminov" ("The SRI "SFA CMT" of "The RA(N)S" named after V.N. Veniaminov" – The SRI) as the first SRI 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 creation, distribution and use of the main and derivative scientific results of the cognitive modeling technology (CMT) (www.vetrovan.(spb.)ru) [see the applied developments directions and scientific-researches laboratories of The SRI]:
1) it is executed by the principle of "administrative-economy submission";
2) works in several main directions, which allow to provide development of the applied 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>: VII. <u>"The scientific-researches laboratory</u> "The research of applications of the theoretical and experimental physics, geo-physics, power engineering, electrical engineering, electronics and radio engineering, nuclear physics, technics and instrument making"" ("SF") (*)

[t h e a p p l i e d d e v e l o p m e n t s i n a r e a
"A p p l i c a t i o n s o f p h y s i c s " (*) usage of theory of general problems of physical experiment, usage of theory of physics of elementary particles, usage of theory of fields (united theory of field), usage of theory of high energy physics, usage of theory of nuclear physics, usage of theory of physics of gases and liquids, usage of theory of thermo-dynamics and statistical physics, usage of theory of thermo-dynamics and statistical physics, usage of theory of physics of firm bodies, usage of theory of physics of plasma, usage of theory of physics of atom and molecule, usage of theory of optics, usage of theory of laser physics, usage of theory of radio-physics, usage of theory of physical bases of electronics, usage of theory of acoustics, usage of theory of cognitive modeling technology in a p p l i c a t i o n s o f p h y s i c s, usage of theory of cognitive models of interaction between physics elementary particles and firm bodies, fields, liquids and gases, usage of theory of cognitive model of modified volumetric planetary model of atom named after N.H.D. Bor, usage of theory of cognitive models of temperature areas of plasma of atom and molecule, usage of theory of cognitive model of optical environment of eye, usage of theory of cognitive model of acoustical environment of ear, usage of theory of cognitive model of waves distribution in environment; he applied developments in Applications of geo-physi "Applications of geo-magnetism in high layers of atmosphere, usage of theory of geo-magnetism in high layers of atmosphere, usage of theory of oceanography, usage of theory of hydrology of land, usage of theory of glaciology, usage of theory of physics of The Earth, usage of theory of cognitive modeling technology applications o f geo-physics;

VIII. "The scientific-researches laboratory "The research of applications of the (non)organic chemistry, crystallography, mineralogy and chemical industry"" ("SH") (*) [the applied developments in Applications of chemistry" usage of theory of basic-laboratory chemical equipment and units, usage of theory of physical chemistry, usage of theory of nonorganic chemistry, usage of theory of complex compounds, usage of theory of analytical chemistry, usage of theory of organic chemistry, usage of theory of bio-organic chemistry, usage of theory of natural organic compounds and their synthetic analogues, usage of theory of chemistry of high-molecular compounds, usage of theory of biological chemistry, usage of theory of cognitive modeling technology in applications of chemistry, usage of theory of modeling of structure of (non)organic chemical elements and chemical elements with 1, 2, 3, 4, 5 and more nucleus; applied developments "Applications of chemical technology and chemical industry" – usage of theory of processes and devices of chemical technology, usage of theory of chemical raw material, usage of theory of technology of production of nonorganic substances and products, usage of theory of fertilizers manufacture, usage of theory of technology of production of silicate and refractory nonmetallic materials, usage of theory of industrial organic synthesis, usage of theory of industrial synthesis of organic dyes and pigments, usage of theory of technology of production of photographical materials, usage of theory of technology of production of explosive substances and means of chemical protection, usage of theory storage and destruction of chemical weapon, usage of theory of technology of production of chemical-pharmaceutical means, usage of theory of technology of production of fragrant substances, usage of theory of technology of production of pesticides and disinfectant substances, usage of theory of processing of natural gases, oil, gas condensate, their products and analogues, motor fuel and lubricant materials, usage of theory of technology of processing of firm combustible minerals, usage of theory of forestry-chemical manufactures, usage of theory of technology of production of natural high-molecular compounds, usage of theory of technology of production synthetic high-molecular compounds, usage of theory of technology of production of plastics, usage of theory of technology of production of rubbers and products from them, usage of theory of technology of production of paint-varnish materials and organic coverings, usage of theory of technology of production of chemical fibers and strings, usage of theory of technology of production of chemical reactants and especially clean substances, usage of theory of technology of production of household chemical products, usage of theory of technology of production of auxiliary materials, usage of theory of cognitive modeling technology in applications of chemical technology and chemical industry].