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THE APPLIED DEVELOPMENTS DIRECTION “COGNITIVE MODELING IN THE APPLIED TECHNICAL SCIENCES AND TECHNOLOGIES” (“NNT”) OF “SRI "SFA CMT" OF "RA(N)S" N. A. VENIAMINOV V.N.” (PART 1)

The developed “The applied developments direction "Cognitive modeling in the applied technical sciences and technologies"” (“NNT”) treats to the applied developments divisions of “The scientific-research institute "System and financial analysis based on cognitive modeling technology" of "RA(N)S" named after Veniaminov V.N.” (“SRI "SFA CMT" of "RA(N)S" n. a. Veniaminov V.N.” – SRI) as the first SRI 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 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 SRI]: 1) it is executed by the principle of “administrative-economy submission”; 2) works in the several main directions, which allow to provide the development of the applied 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) includes the several various main divisions: I. “The scientific-researches laboratory "Applications of mining and metallurgy"” (“SGM”) [***the applied developments in the area “Applications of mining”*** – usage of theory of technics and technology of development of the deposits of firm minerals, usage of theory of development of the deposits of ores and ferrous metals, usage of theory of development of the deposits of ores and looses of the color and rare metals and diamonds, usage of theory of development of the deposits of coal and combustible slates, usage of theory of development of the peat deposits, usage of theory of development of the deposits of building and road materials, fire-resistant, ceramic, glass and mineral technical raw materials, usage of theory of development of the deposits of chemical and agricultural-chemical raw materials and salts, usage of theory of development of the deposits of precious and ornamental stones, usage of theory of enrichment of minerals, usage of theory of development of the oil and gas deposits, usage of theory of the cognitive modeling technology in the applications of mining; ***the applied developments in the area “Applications of metallurgy”*** – usage of theory of metallurgical processes, usage of theory of metallurgical heating-technics, usage of theory of manufacture of ferrous metals and alloys, usage of theory of manufacture of nonferrous metals and alloys, usage of theory of powder metallurgy, usage of theory of semi-conductors metallurgy, usage of theory of rolling manufacture, usage of theory of drawing and hardware manufacture, usage of theory of pipes manufactures, usage of theory of metallurgical-science, usage of theory of the technical analysis in metallurgy, usage of theory of the cognitive modeling technology in the applications of metallurgy].

“The Nobel committee” (The Kingdom of Norway and The Kingdom of Sweden)
(it was submitted to “SIO "ACNS"” on the int. conf. “IQR and D in MO: CA” on the 01st-31st of October 2016 y.)

II. “The scientific-researches laboratory "Applications of the sciences about forestry and wood processing"” (“SNL”) [***the applied developments in the area “Applications of forestry and wood-processing industry”*** – usage of theory of wood-science, usage of theory of forestry-cutting works, usage of theory of forestry transportation, usage of theory of forestry-timber works, usage of theory of technology and equipment for wood processing, usage of theory of technology of forestry sawmill manufacture, usage of theory of technology of manufacture of joiner-building products, usage of theory of technology of manufacture of plywood and plates, usage of theory of technology of manufacture of blocks, usage of theory of technology of manufacture of furniture, usage of theory of technology of manufacture of matches, usage of theory of technology of manufacture of wooden container, usage of theory of technology of special wood-processing manufactures, usage of theory of technology of pulp-paper industry, usage of theory of the cognitive modeling technology in the applications of forestry and wood-processing industry; ***the applied developments in the area “Applications of forestry economy”*** – usage of theory of forestry-economy biology, usage of theory of soil-science, usage of theory of agriculture, usage of theory of forestry-economy melioration, usage of theory of agro-chemistry, usage of theory of plant-science, usage of theory of protection of forestry-economy plants, usage of theory of animal-industry, usage of theory of veterinary-science, usage of theory of preparation of production of forestry economy, usage of theory of hunting and hunting economy, usage of theory of forestry economy, usage of theory of economics and organization of forestry economy, usage of theory of mechanization and electrification of forestry economy, usage of theory of the cognitive modeling technology in the applications of forestry economy].

The applied developments directions and scientific-researches laboratories of SRI allow to develop the main and derivative scientific results of CMT.