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## THE APPLIED SCIENTIFIC RESEARCHES DIRECTION "COGNITIVE MODELING IN THE BIOLOGICAL AND MEDICAL SCIENCES" ("NBME")

OF "THE SIO "ACADEMY OF COGNITIVE NATURAL SCIENCES""

The developed "The applied scientific researches direction "Cognitive modeling in the biological and medical sciences" ("NBME") treats to the applied scientific researches divisions of "The SIO "Academy of cognitive natural sciences"" ("The SIO "ACNS"") as main 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 scientific researches directions and departments of "The SIO "ACNS""]: 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 several various main divisions: I. "The applied scientific researches department "The applications of the biology, ecology and physiology of plants" ("SBE") [the applied scientific researches in Applications of biology" usage of theory of methods and equipment of biological researches, usage of theory of plants biology, usage of theory of molecular plants biology, usage of theory of plants bio-physics, usage of theory of plants cytology, usage of theory of plants embryology, usage of theory of plants genetics, usage of theory of plants virology, usage of theory of plants micro-biology, usage of theory of plants botany, usage of theory of plants physiology, usage of theory of plants zoology, usage of theory of plants ecology, of theory of plants anthropology, usage of theory of communication of physiology of plants, person and animals, usage of theory of communication of morphology of plants, persons and animals, usage of theory of plants immunology, usage of theory of plants pharmacology, usage of theory of plants toxicology, usage of theory of plants radiation biology, usage of theory of plants space biology, usage of theory of plants bionics, usage of theory of plants bio-cybernetics, usage of theory of plants bio-engineering, usage of theory of cognitive modeling technology applications of biology; the applied scientific researches "Applications of environment preservation and ecology of plants" usage of theory and methods of studying of environment preservation, usage of theory of ecological bases of use of natural resources, usage of theory of international cooperation, usage of theory of environmental contamination, usage of theory of pollution control, usage of theory of pollution and protection of atmosphere, usage of theory of pollution, usage of theory of protection of land waters, seas and oceans, usage of theory of soils protection, usage of theory of bowels protection, usage of theory of ecological bases of plants live ability, usage of theory of influence of anthropogenous changes of environment on health and vegetative potential of plants, on natural ecosystems condition, populations and organisms of flora, of theory of flora protection, usage of theory of anthropogenous influence on landscape, usage of theory of protection and optimization of landscape, of theory of reserved usage of theory of protected natural territories and water areas, usage of theory of acts of nature and accidents of anthropogenous origin, usage of theory of ecological safety, usage of theory of rational use of natural resources, usage of theory of natural resources reproduction, usage of theory of preservation of environment and natural resources in separate regions and countries, of theory of waste management, usage of theory of small waste and without waste technology, usage of theory of protection against from noise, vibration, electrical and magnetical fields and radiations, usage of theory of cognitive modeling technology in applications of preservation of environment and ecology of plants; applied scientific researches "Applications of medicine and public health services" usage of theory of medical-biological disciplines, usage of theory of medical materials, means and products, of theory of medical technics, usage of theory of clinical medicine, usage of theory of pharmacology, usage of theory of hygiene, usage of theory epidemiology, usage of theory of other branches of medicine and public health services, hygiene, o f theory o f s o c i a 1 usage of theory of organization and management of public health services, usage of theory of cognitive modeling technology in applications of medicine and public health services].

II. "The applied scientific researches department "The applications of the bio-technology, bio-medicine, ergonomics and labor safety of organic individuals"" ("SB") (\*) [the applied scientific researches in area "Applied scientific researches in area "Applications of bio-technological manufacture, usage of theory of raw material and producents for bio-technological manufacture, usage of theory of bio-technological processes and devices, usage of theory of technological processes and devices, usage of theory of technological bio-energetics, usage of theory of technological bio-energetics, usage of theory of enzymology engineering, usage of theory of other problems of bio-technology, usage of theory of other problems of bio-technology, usage of theory of cognitive modeling technology in applications of physical-chemical bio-technology and genic engineering, usage of theory of cognitive modeling technology in applications of physical-chemical bio-technology and genic engineering, usage of theory of modeling of desoxyribonucleic acid structure based on multilevel cognitive cylinder; the applied scientific researches in area "Applications of bio-medicine and public health services" (\*)—usage of theory of medico-biological disciplines, usage of theory of bio-medical materials, means and products, usage of theory of bio-medical materials, means and products, usage of theory of clinical bio-medicine, usage of theory of bio-hygiene and bio-epidemiology, usage of theory of bio-hygiene and bio-epidemiology, usage of theory of other branches of bio-medicine and public health services, usage of theory of organization and management of public health services, us a ge of theory of organization and management of public health services, usage of theory of organization and management of public health services, usage of theory of modified model of reduced eye, usage of theory of modified model of reduced ear, usage of theory of modified model of reduced ear, usage of theory of software for automation of research tasks of physiological, psychological and linguistical parameters of parametrical cognitive models block, usage of theory of statistical substantiation of practical use of received results, usage of theory of physiological, psychological and linguistical factors influencing to efficiency of functioning of information-educational environment and increase of productivity of automated training system with properties of adaptation based on cognitive models, usage of theory of organization and plan of carrying out of experiment, usage of theory of research of physiological, psychological and linguistical parameters of cognitive models of subject of training and means of training, usage of theory of preliminary processing of a posteriori results of diagnostics, usage of theory of choice of statistical analysis methods of generated data sets, usage of theory of dispersion, regression, discriminant, cluster analysis, usage of theory of dispersion, regression, discriminant, cluster analysis, usage of theory of dispersion, regression, discriminant, cluster analysis, multivariate scaling, factor analysis, bibliographical lists, usage of theory of the complex analysis of modified model of reduced eye for research of visual acuity, field of vision, color perception and other parameters in Descartes space of the 2 and 3 coordinates; usage of theory of the complex analysis of modified model of reduced ear usage of theory of the complex analysis of modified model of reduced ear for research of absolute sensitivity and thresholds of sensitivity in Descartes space of the 2 and 3 coordinates; the applied scientific researches in area "Application of labor safety and working conditions, usage of theory of organization and management of labor safety and working conditions, usage of theory of industrial sphere, usage of theory of safety precaution, usage of theory of professional illnesses and their preventive support, usage of theory of accidents on manufacture and their prevention, usage of theory of work capacity, usage of theory of work capacity examination, usage of theory of labor safety on workers categories, usage of theory of work safety on manufactures of increased danger, usage of theory of cognitive modeling technology in a p p l i c a t i o n s of l a b o r s a f e t y l.

The applied scientific researches directions and departments of "The SIO "ACNS"" allow to develop the main and derivative scientific results of CMT allow to develop the main and derivative scientific results of CMT.