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THE APPLIED DEVELOPMENTS DIRECTION

“COGNITIVE MODELING IN THE SOCIETY

STEADY DEVELOPMENT OF POSTINDUSTRIAL COUNTRY” (“NURS”) OF “THE SRI "SFA CMT" OF "THE RA(N)S" NAMED AFTER V.N. VENIAMINOV”

The developed “The applied developments direction “Cognitive modeling in the society steady development of postindustrial country”” (“NURS”) 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 several various main divisions:

I. “The scientific-researches laboratory “The research of applications of the complex problems of country development”” (“SPUR”) (*)

[the applied developments in area “Applications of economical problems of national economy management” – usage of theory of self-financing, usage of theory of provision of economical incentives, usage of theory of manpower resources, usage of theory of cognitive modeling technology in applications of economical problems of national economy management;

the applied developments in area
“Applications of the global philosophical problems, philosophical and methodological problems of sciences and scientific knowledge as a whole” (*) –
 usage of theory of modern philosophy, usage of theory of dialectical logic,
 usage of theory of social sciences,
 usage of theory of modern social philosophy,
 usage of theory of modern sociology,
 usage of theory of demography and people population,
 usage of theory of The World economy and economics,
 usage of theory of grammar and applied study of language,
 usage of theory of art and art science,
 usage of theory of artificial intelligence,
 usage of theory of biological chemistry,
 usage of theory of regional geography,
 usage of theory of economical and social geography,
 usage of theory of toponymics, usage of theory of astro-physics,
 usage of theory of pharmacology and chemo-therapy,
 usage of theory of normal and pathological physiology,
 usage of theory of genetic engineering, usage of theory of bio-technology,
 usage of theory of agriculture, usage of theory of medicine and public health services,
 usage of theory of technical industrial art and ergonomics,
 usage of theory of preservation of environment,
 usage of theory of global ethic and global esthetic categories and problems,
 usage of theory of social activity and social problems,
 usage of theory of sociological problems of printing, TV and radio-broadcasting,
 usage of theory of influences of anthropogenous changes of environment
 on health and social-labor potential of population,
 usage of theory of The World economical development,
 usage of theory of activity of international
 economical organizations and associations,
 usage of theory of economical development and growth,
 usage of theory of prediction and planning of economics,
 usage of theory of economical cycles and crises,
 usage of theory of social and economical problems
 of development of advanced and less developed countries,
 usage of theory of economical problems of organization and management of country economy,
 usage of theory of problems of functioning of market economy
 and social-economical problems of work,
 usage of theory of legal problems of environment preservation and ecological law,
 usage of theory of economical problems of politics,
 usage of theory of general problems of political systems
 at socialism in advanced and less developed countries,
 usage of theory of foreign (external) political aspects of global problems,
 usage of theory of problems of war and peace,
 usage of theory of means of sanction of international conflicts,
 usage of theory of problems of disarmament and anti-war movement,
 usage of theory of movement of non-alignment,
 usage of theory of international, federal, regional and local problems,
 usage of theory of international terrorism,
 usage of theory of separate philosophical-theoretical problems of culture,
 usage of theory of sociological problems of motion picture art,
 usage of theory of religious consciousness,
 usage of theory of relation of church and philosophical-theological schools
 to war and peace problem,
 usage of theory of philosophy of mutual relations of religion and army,
 usage of theory of relation of religions and churches
 to national-liberation movement, national and racial problems,

usage of theory of general problems of physical experiment,
usage of theory of physical problems of mechanics,
usage of theory of bio-chemical problems,
usage of theory of safety problems of biological experiment,
usage of theory of micro-molecular associations
and recognition problems in molecular biology,
usage of theory of general problems of antropogenes in paleontology and archeology,
usage of theory of general problems of researches of The Sun, The Earth,
stars, fogs and interstellar environment,
atmosphere, chromosphere, crown, near stars environments,
usage of theory of problems of loss of weight of stars and star wind,
usage of theory of general problems of researches of stars,
usage of theory of problematic rests,
usage of theory and problematics of programming for computer networks,
usage of theory of general problems of automation of designing,
usage of theory of general problems of researches, calculations and designing
in mining mechanical engineering,
usage of theory of general problems of household radio-electronical equipment,
usage of theory of genetic engineering for decision of bio-degradation problem,
usage of theory of sociological, demographical
and psychological problems in construction,
usage of theory of general problems of land improvement of agricultural grounds,
usage of theory of social-economical problems in countryside,
usage of theory of medical problems of space flights,
usage of theory of political problems of sport and sports single-kinds combats,
game kinds of sport, speed-involving-strength kinds of sport,
complicated-coordinated kinds of sport,
technical kinds of sport and cyclical kinds of sport,
usage of theory of general problems of war, usage of theory of training of staff,
usage of theory of problems of material interest of workers,
usage of theory of problems of material-technical supply,
usage of theory of problems of fire safety,
usage of theory of information about centres on studying problems of management,
usage of theory of general problems of prediction,
usage of theory of role of separate areas of knowledge in decision problems
of environment and use of natural resources,
usage of theory of general problems of international cooperation,
usage of theory of problems of sorption and auto-purification of waters,
usage of theory of complex and regional problems
of protection of waters, bowels, landscape and waste management,
usage of theory of innovative materials,
describing research of space environment as a whole
and interrelation of this problem with other sciences and spheres of activity,
usage of theory of general problems and prospects
of development of space researches methods,
usage of theory of safety and medical-biological problems of space flights,
usage of theory of general problems and principles of work of space connection systems,
usage of theory of problems of development of extraterrestrial territories and prospects of astronautics,
usage of theory of nonconventional problems of space environment researches,
usage of theory of cognitive modeling technology
in applications of global philosophical problems, philosophical
and methodological problems of science and scientific knowledge as a whole;

the applied developments in area “Applications of complex problems of social sciences” – usage of theory of social-political idea, usage of theory of global problems and work, usage of theory of cognitive modeling technology in applications of complex problems of social sciences;

the applied developments in area “Applications of general and complex problems of technical and applied sciences and national economy branches” – usage of theory of materiology (materials science), usage of theory of general technology of production, usage of theory of designing, usage of theory of construction, usage of theory of flexible industrial systems, usage of theory of vacuum technics, usage of theory of cryogenic technics, usage of theory of corrosion and protection against corrosion, usage of theory of welding, usage of theory of optical manufacture, usage of theory of staff, usage of theory of control and management of quality, usage of theory of installation, operation and repair of industrial equipment, usage of theory of material-technical supply, usage of theory of logistic, usage of theory of warehouse economy, usage of theory of container and packing, usage of theory of secondary raw material, usage of theory of fire safety, usage of theory of safety, usage of theory of salvage-rescue services, usage of theory of technical industrial art and ergonomics, usage of theory of protection of information, usage of theory of cognitive modeling technology in applications of general and complex problems of technical and applied sciences and national economy branches;

the applied developments in area “Applications of general and complex problems of natural and exact sciences” – usage of theory of materials of general character, usage of theory of scientific and technical societies, conventions, congresses, conferences, symposiums, seminars and exhibitions, usage of theory of terminology, usage of theory of reference books and educational literature, usage of theory of cognitive modeling technology in applications of general and complex problems natural and exact sciences].

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