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THE FUNDAMENTAL SCIENTIFIC RESEARCHES BRANCH
“THEORY OF SOCIAL-SCIENCE AND TECHNOLOGIES OF SOCIAL SCIENCES
IN MEDICINE” (“TSOC-S AND TSOCS IN M”)

OF “SEC "SFA CMT" OF "RA(M)S" N. A. ACAD. BURDENKO N.N.” (PART 1)

The developed “The fundamental scientific researches branch
"Theory of social-science and technologies of social sciences
in medicine"” (“TSOC-S and TSOCS in M”) treats to the fundamental scientific researches divisions of “The scientific-educational centre "System and financial analysis based on cognitive modeling technology" of "RA(M)S" named after acad. Burdenko N.N.” (“SEC "SFA CMT" of "RA(M)S" n. a. acad. Burdenko N.N.” – SEC) as the first SEC in the structure of “SIO "Academy of cognitive natural sciences”” (“SIO "ACNS””) as 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 fundamental scientific researches branches and departments of SEC]:
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 fundamental 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 fundamental scientific researches department
"Theory of social sciences, philosophy, science-study, politics and political sciences, sociology, (cognitive) psychology, state, law and jurisprudential sciences, patent business, invention and rationalization in medicine”” (“TSOCSPHS-STP and PSS(C)PSL and JSPBI and R in M”) (*)
[the fundamental scientific researches in the area
“Theoretical social sciences in medicine” –
the theoretical bases of social sciences in medicine,
theory of social sciences and ideology in medicine,
theory of the history of social sciences in medicine,
theory of the modern condition of social sciences in medicine,
theory of scientific societies, conventions, congresses, conferences and symposiums on the social sciences in medicine,
theory of international cooperation in the area of social sciences in medicine,
theory of the organization of scientific-research work in the area of social sciences in medicine,
theory of information activity in social sciences in medicine,
theory of the terminology of social sciences in medicine,
theory of the promotion and popularization of social sciences in medicine,
theory of the teaching of social sciences in medicine,
theory of mathematical modeling in the social and humanitarian sciences in medicine,
theory of the personnel of social-scientists in medicine and the cognitive modeling technology in the theoretical social sciences in medicine;

the fundamental scientific researches in the area “Theoretical philosophy in medicine” – the theoretical bases of philosophy in medicine, theory of the general problems of modern philosophy in medicine, theory of general-philosophical problems in medicine, theory of logic in medicine, theory of philosophy and methodology of science in medicine, theory of social philosophy in medicine, theory of ethics in medicine, theory of aesthetics in medicine, theory of philosophy of religion and atheism in medicine, theory of history of philosophy in medicine and the cognitive modeling technology in the theoretical philosophy in medicine;

the fundamental scientific researches in the area “Theoretical science-study in medicine” – the theoretical bases of science-study in medicine, theory of the development of medicine as the science, theory of science and society in medicine, theory of the sociology of science in medicine, theory of scientific work and scientific creativity in medicine, theory of the organization of science in medicine, theory of politics in the area of medicine as the science, theory of the technique and technics of research work in medicine, theory of the economics of medicine as the science, theory of scientific personnel in medicine, theory of international cooperation in medicine as the science, theory of medicine as the science and the scientific-research work in the separate countries and the cognitive modeling technology in the theoretical science-study in medicine;

the fundamental scientific researches in the area “Theoretical politics and political sciences in medicine” – the theoretical bases of politics and political sciences in medicine, theory of the methodology of political researches in medicine, theory of the history of political doctrines in medicine, theory of political systems in medicine, theory of internal policy in medicine, theory of international relations in medicine, theory of foreign (external) policy and diplomacy in medicine and the cognitive modeling technology in the theoretical politics and political sciences in medicine;

the fundamental scientific researches in the area “Theoretical sociology in medicine” – the theoretical bases of sociology in medicine, theory of the general problems of modern sociology in medicine, theory of the methodology of sociology in medicine, theory of the technique and technics of sociological researches in medicine, theory of society as the system in medicine, theory of social relations and processes in medicine, theory of social classes, communities and groups in medicine, theory of sociology of the spheres of social life in medicine, theory of social phenomena and institutions in medicine, theory of the sociology of personality and behavior in medicine, theory of the historical and regional sociology in medicine, theory of the applied sociology in medicine, theory of the history of sociology in medicine and the cognitive modeling technology in the theoretical sociology in medicine;

the fundamental scientific researches in the area “Theoretical (cognitive) psychology in medicine” ()* – the theoretical bases of (cognitive) psychology in medicine, theory of general psychology in medicine, theory of the psychology of development in medicine, theory of age psychology in medicine, theory of comparative psychology in medicine, theory of social psychology in medicine, theory of applied psychology in medicine, theory of the layered-step model of processing (cognitive psychology) of the content of information fragments in medicine, the theoretical bases of cognitive psychology and the cognitive modeling technology in medicine, the theoretical bases of formation of the parametrical cognitive models block in the theoretical (cognitive) psychology in medicine, theory of the structure of the cognitive model of the 0th, 1st, 2nd and 3rd generation in the theoretical (cognitive) psychology in medicine, theory of the ways of representation of the structure of the cognitive models and problem environments in the theoretical (cognitive) psychology in medicine: the formal classical of the 0th generation (the logical and production models), the non-formal classical of the 0th generation (the semantic network, the frame network and ontology), the formal new of the 0th generation (the calculus of theory of sets and corteges on domains and the innovative calculus of theory of sets and graphs), the non-formal new of the 0th generation (the multi-level structural scheme and the multi-level encapsulated pyramids combining theory of graphs and theory of sets), the flat of the 1st generation (the cognitive circle and the cognitive disc), the volumetric of the 1st generation (the cognitive cylinder, the cognitive cone and the cognitive sphere), the flat and volumetric of the 2nd generation (the one-, two-, three-, four-, five- and more cognitive circle, cognitive disc, cognitive cylinder, cognitive cone and cognitive sphere), the hybrid of the 3rd generation (the combinations of the existing cognitive models), theory of the algorithms of formation of the structure of the cognitive models of the 0th, 1st, 2nd and 3rd generations in the theoretical (cognitive) psychology in medicine, theory of the techniques of research of the parameters of the cognitive models of the 0th, 1st, 2nd and 3rd generation in the theoretical (cognitive) psychology in medicine, theory of the algorithms of the analysis of a posteriori results of research in the theoretical (cognitive) psychology in medicine, theory of the adaptive automation means of the information-educational environment in the theoretical (cognitive) psychology in medicine (the basic and applied diagnostic module, the electronic textbook, the laboratory practical work, the electronic dean's office, the electronic library and others), theory of the technical means of support of the adaptive information interaction in the theoretical (cognitive) psychology in medicine (the adaptive representation of sequence of information fragments processor, the question-answers structures sequence processing processor, the linguistic processor and others), theory of technical means of support of the system analysis in the theoretical (cognitive) psychology in medicine (the automation means of formation and research of the psychological parameters of the cognitive model in the view of the cognitive circle, the automation means of formation and research of the psychological parameters of the cognitive model in the view of the cognitive disc, the automation means of formation and research of the psychological parameters of the cognitive model in the view of the cognitive cylinder, the automation means of formation and research of the psychological parameters of the cognitive model in the view of the cognitive cone, the automation means of formation and research of the psychological parameters of the cognitive model in the view of the cognitive sphere, the automation means of formation and research of the psychological parameters of the cognitive model in the view of the one-, two-, three-, four-, five- and more cognitive sphere and others) and the cognitive modeling technology in the theoretical (cognitive) psychology in medicine;

the fundamental scientific researches in the area “ Theoretical state management, law and jurisprudential sciences in medicine ” – the theoretical bases of state management, law and jurisprudential sciences in medicine, theory of country and law in medicine, theory of the history of country and law in medicine, theory of the history of political and legal doctrines in medicine, theory of constitutional (state) law in medicine, theory of municipal law in medicine, theory of administrative law in medicine, theory of information law in medicine, theory of financial law in medicine, theory of entrepreneurial law in medicine, theory of civil law in medicine, theory of civil-processual law (civil process) in medicine, theory of arbitration-processual law (arbitration process) in medicine, theory of patent law in medicine, theory of the law of industrial property in medicine, theory of copyright and adjacent rights in medicine, theory of succession law in medicine, theory of family law in medicine, theory of agrarian law in medicine, theory of legal problems of the protection of environment in medicine, theory of ecological law in medicine, theory of land law in medicine, theory of forest law in medicine, theory of water law in medicine, theory of air-protection law in medicine, theory of the legislation about the subsoils in medicine, theory of the legislation about the fauna world in medicine, theory of labor law in medicine, theory of the law of social support in medicine, theory of law-enforcement bodies in medicine, theory of criminal law in medicine, theory of criminal-processual law (criminal process) in medicine, theory of criminology in medicine, theory of criminal-enforcement law in medicine, theory of penitentiary in medicine, theory of criminalistics in medicine, theory of judicial statistics in medicine, theory of international law in medicine, theory of international private law in medicine, theory of country and the law of separate countries in medicine and the cognitive modeling technology in the theoretical state management, law and jurisprudential sciences in medicine; *the fundamental scientific researches in the area “ Theoretical patent business, invention and rationalization in medicine ”* – the theoretical bases of patent business, invention and rationalization in medicine, theory of patent-information activity in medicine, theory of invention and rationalization in medicine, theory of patent-license work in medicine, theory of the technical-economic analysis on the patent materials in medicine, theory of inventive law in medicine and the cognitive modeling technology in the theoretical patent business, invention and rationalization in medicine].

The fundamental scientific researches branches and departments of SEC allow to develop the main and derivative scientific results of CMT.