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## THE APPLIED SCIENTIFIC RESEARCHES DIRECTION

“APPLICATIONS OF PREVENTIVE MEDICINE” (“APPREVM”)

OF “SEC "SFA CMT" OF "RA(M)S" N. A. ACAD. BURDENKO N.N.” (PART 2)

The developed “The applied scientific researches direction “Applications of preventive medicine”” (“APPREVM”) treats to the applied 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 applied scientific researches directions 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 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:  
VI. “The applied scientific researches department “Applications of public-health-service, medical labor safety, medical environment preservation and medical ecology of person”” (“APPMLSMEP and MEP”) (\*)  
*[the applied scientific researches in area “Applications of medical protection of labor” (\*)* – usage of theory of organization and management of the protection of labor, the conditions of labor, the industrial sphere and the technique of safety, usage of theory of professional diseases and their prevention, usage of theory of accidents on the production and their prevention, usage of theory of labor-capacity and the examination of labor-capacity, usage of theory of the protection of labor by the categories of workers, usage of theory of the safety of labor on the industries of high danger usage of the cognitive modeling technology in the applications of medical protection of labor (usage of theory of the cognitive model of the subject of training);

*the applied scientific researches in area "Applications of medical protection of the environment and ecology of person"* – usage of theory of the methods of studying and protecting of the environment and person, usage of theory of ecological bases of the use of natural resources, usage of theory of international cooperation, usage of theory of the pollution of environment, usage of theory of pollution, usage of theory of pollution and protection of the atmosphere, usage of theory of pollution and protection of the waters of land, seas and oceans, usage of theory of protection of the soils, usage of theory of protection of the subsoils, usage of theory of the ecological bases of life-activity of the person, usage of theory of impact of the anthropogenic changes of environment on the health and social-labor potential of person, usage of theory of the impact of person on the pollution of environment, on the condition of natural ecosystems, populations and organisms of the plant and animal world, usage of theory of protection of the plant and animal world, usage of theory of anthropogenic impact on the landscape, usage of theory of protection and optimization of the landscape, usage of theory of conservation, usage of theory of protected natural territories and water-areas, usage of theory of natural disasters and disasters of anthropogenic origin, usage of theory of ecological safety of the person, usage of theory of rational use and reproduction of natural resources by the person, usage of theory of the protection of environment and natural resources in the certain regions and countries, usage of theory of management of the wastes, usage of theory of low-waste and without-waste technology, usage of theory of protection of the person from the noise, vibration, electric and magnetic fields and radiations and usage of the cognitive modeling technology in the applications of medical protection of the environment and ecology of person].

VII. "The applied scientific researches department "Applications of medical-social expertise, medical-social rehabilitation and medical sociology" ("APM-SEM-SR and MS") (\*) [*the applied scientific researches in area "Applications of medical-social expertise"* – one of the kinds of medical expertise, which provides the definition in accordance with the established order the needs of the examined person in the measures of social protection, including rehabilitation, based on the estimation of limitations of life-activity, caused by the persistent disorder of functions of organism, usage of the theoretical bases of medical-social expertise, usage of theory of measures of the social protection, usage of theory of rehabilitation, usage of theory of estimation of the limitations of life-activity of the person, usage of theory of disorders of the functions of organism, usage of theory of establishments of the medical-social expertise, usage of theory of organization and activity of the establishments of medical-social expertise, usage of theory of examination of the citizens with the purpose of establishing of the group of disability and determining of the degree of loss of the professional labor-ability, usage of theory of prevalence and structure of disability, usage of theory of the causes, factors and conditions, affecting on the occurrence, development and outcome of disability, usage of theory of determining of the needs of citizens in the measures of social protection and rehabilitation and usage of the cognitive modeling technology in the applications of medical-social expertise;

*the applied scientific researches in area “Applications of medical-social rehabilitation”* – a set of medical actions, carried out by the state, private and public organizations, directed on the protection of social rights of the citizens of the various categories, usage of the theoretical bases of medical-social rehabilitation, usage of theory of the process of medical-social rehabilitation, usage of theory of the process of interaction of the personality and society, usage of theory of the ways of transferring of the social experience to the individual, usage of theory of the ways of including of the individual in to the system of social relations, usage of theory of the process of personal changes of the person and usage of the cognitive modeling technology in the applications of medical-social rehabilitation; *the applied scientific researches in area “Applications of medical sociology”* – the branch of sociology, studying the system of care of health, the social terms “disease” and “health”, the behavior of people in the sphere of medicine, usage of the theoretical bases of medical sociology, usage of theory of regularities of the formation of value orientations of the population to the health, diseases, medical care, medicine and the care of health, usage of theory of the structure of modern medical sociology, usage of theory of sociology of medical professions, usage of theory of sociology of the disease and the behavior of patient, usage of theory of sociology of the institutes of medicine and the organization of health-care and usage of the cognitive modeling technology in the applications of medical sociology].

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