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THE FUNDAMENTAL RESEARCHES FINANCING BRANCH  
“COGNITIVE MODELING IN THE SOCIAL SCIENCES” (“OON”)  
OF “THE SF “SFA CMT” NAMED AFTER N.A. PROKOPENKO”

The developed “The fundamental researches financing branch “Cognitive modeling in the social sciences”” (“OON”) treats to the fundamental researches financing divisions of “The scientific fund “System and financial analysis based on cognitive modeling technology” named after N.A. Prokopenko” (“The SF “SFA CMT” named after N.A. Prokopenko” – The SF) as the first SF 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 the financing of creation, distribution and use of the fundamental main and derivative scientific results of the cognitive modeling technology (CMT) (www.vetrovan.(spb.)ru) [see the fundamental researches financing branches and departments of The SF]:

- 1) it is executed by the principle of “administrative-economy submission”;
- 2) works in several main directions, which allow to provide the financing of development, production and promotion of the fundamental 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 fundamental researches financing department “The theory of the social sciences, philosophy, science of science, politics and political sciences, sociology, (cognitive) psychology, state, law and jurisprudential sciences, patenting business, invention and rationalization work”” (“SFPSP”) (\*)  
***the financing of fundamental researches and developments in area “Theoretical social sciences”*** – theory and ideology of social sciences, theory of social sciences history, theory of modern condition of social sciences, theory of scientific societies, conventions, congresses, conferences and symposiums on social sciences, theory of international cooperation in field of social sciences, theory of organization of scientific-research work in field of social sciences, theory of information work in social sciences, theory of terminology of social sciences, theory of propagation and popularization of social sciences, theory of social sciences teaching, theory of mathematical modeling in social and humanitarian sciences, theory of staff of social scientists, theory of cognitive modeling technology in theoretical social sciences;  
***the financing of fundamental researches and developments in area “Theoretical philosophy”*** – theory of general problems of modern philosophy, theory of general-philosophical problems, theory of logic, theory of philosophy and methodology of science, theory of social philosophy, theory of ethics, theory of aesthetics, theory of philosophy of religion and atheism, theory of philosophical history, theory of cognitive modeling technology in theoretical philosophy;

***the financing of fundamental researches and developments in area “Theory of science of science”*** – theory of science development, theory of science and society, theory of sociology of science, theory of scientific work and scientific creativity, theory of organization of science, theory of politics in field of science, theory of technique and technics of research work, theory of economics of science, theory of scientific staff, theory of international cooperation in science, theory of science and scientific-research work in separate countries, theory of cognitive modeling technology in theory of science of science;

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

***the financing of fundamental researches and developments in area “Theoretical sociology”*** – theory of general problems of modern sociology, theory of methodology of sociology, theory of technique and technics of sociological researches, theory of society as systems, theory of social relations and processes, theory of social classes, communities and groups, theory of sociology of social life spheres, theory of social phenomena and institutes, theory of sociology of person and behavior, theory of historical and regional sociology, theory of applied sociology, theory of history of sociology, theory of cognitive modeling technology in theoretical sociology;

***the financing of fundamental researches and developments in area “Theoretical (cognitive) psychology” (\*)*** – theory of general psychology, theory of psychology of development, theory of age psychology, theory of comparative psychology, theory of social psychology, theory of applied psychology, theory of cognitive modeling technology in theoretical (cognitive) psychology, theory of modified stratified-step model of processing (cognitive psychology) of information fragments content, theoretical bases of cognitive psychology and cognitive modeling technology, theoretical bases of parametrical cognitive models block for the system analysis of information-educational environments (cognitive models of subject of training and means of training), theory of ways of representation of structure of cognitive models and problem environments: formal classical of the 0<sup>th</sup> generation (logical and production models), nonformal classical of the 0<sup>th</sup> generation (semantic network, frame network and ontology), formal new of the 0<sup>th</sup> generation (calculus of theory of sets and corteges on domains and innovative calculus of theory of sets and graphs), nonformal new of the 0<sup>th</sup> generation (multilevel structural scheme and multilevel encapsulated pyramids combining theory of graphs and theory of sets), flat of the 1<sup>st</sup> generation (cognitive circle and cognitive disc), volumetric of the 1<sup>st</sup> generation (cognitive cylinder, cognitive cone and cognitive sphere), flat and volumetric of the 2<sup>nd</sup> generation (one-, two-, three-, four-, five- and more cognitive circle, cognitive disc, cognitive cylinder, cognitive cone and cognitive sphere), hybrid of the 3<sup>rd</sup> generation (combinations of the existing cognitive models),

theory of adaptive automation means of information-educational environment (basic and applied diagnostic module, electronic textbook, laboratory practical work, electronic dean, electronic library and others), theory of technical means of adaptive information interaction support (adaptive representation of sequence of information fragments processor, question-answers structures sequence processing processor, linguistical processor and other processors), theory of technical means of the complex analysis support (automation means of formation and research of psychological parameters of cognitive model as cognitive circle, cognitive disc, cognitive cylinder, cognitive cone, cognitive sphere, one-, two-, three-, four-, five- and more cognitive sphere and others); ***the financing of fundamental researches and developments in area “Theoretical state management, law and jurisprudence sciences”*** – theory of state and law, theory of history of state and law, theory of history of political and law doctrines, theory of constitutional (state) law, theory of municipal law, theory of administrative law, theory of information law, theory of financial law, theory of enterprise law, theory of civil law, theory of civil-procedural law (civil process), theory of arbitration-procedural law (arbitration process), theory of patent law, theory of industrial property law, theory of copyright and adjacent rights, theory of succession law, theory of family law, theory of agrarian law, theory of law problems of environment preservation, theory of ecological law, theory of ground law, theory of forestry law, theory of water law, theory of airspace protection law, theory of legislation about bowels, theory of legislation about fauna world, theory of labor law, theory of social support law, theory of law institutions, theory of criminal law, theory of criminal-procedural law (criminal process), theory of criminology, theory of criminal-executive law, theory of penitentiary, theory of criminalistics, theory of judicial statistics, theory of international law, theory of international private law, theory of state and law of separate countries, theory of cognitive modeling technology in theoretical state management, law and jurisprudence sciences; ***the financing of fundamental researches and developments in area “Theoretical patent business, invention and rationalization”*** – theory of patent-information work, theory of invention and rationalization, theory of patent-license work, theory of technical-economical analysis on patent materials, theory of invention right, theory of cognitive modeling technology in theoretical patent business, invention and rationalization].

II. “The fundamental researches financing department  
"The theory of the economics and economical sciences, organization, management, statistics,  
financial analysis based on cognitive modeling technology"” (“SE”) (\*)  
[the financing of fundamental researches and developments in area  
“Theoretical economics and economical sciences” –  
 economical theories, theory of history of economical idea,  
 theory of account-economical sciences, theory of economical management science,  
 theory of economical history, theory of The World economy,  
 theory of international economical relations, theory of economical development and growth,  
 theory of prediction and planning economics, theory of economical cycles and crises,  
 theory of productive forces and scientific-technical progress,  
 theory of social-economical structure,  
 theory of reproduction structure of economics, theory of the accumulation and consumption,  
 theory of well-being, theory of territorial structure of economics,  
 theory of regional and city economics, theory of branch structure of economics,  
 theory of financial science, monetary and tax theories, theory of credit-financial institutes,  
 theory of cognitive modeling technology  
 in theoretical economics and economical sciences;  
*the financing of fundamental researches and developments in area*  
*“Theoretical organization and management” –*  
 theory and methodology of management,  
 theory of state and administration managerial control,  
 theory of organization of economics management,  
 theory of social management, theory of prediction, theory of futurology,  
 theory of strategical management, theory of strategical planning,  
 theory of cognitive modeling technology  
 in theoretical organization and management;  
*the financing of fundamental researches and developments in area*  
*“Theoretical statistics” –*  
 theory of general statistics, theory of economical statistics,  
 theory of branch statistics, theory of social statistics,  
 theory of international statistics,  
 theory of statistics of separate countries and social-economical systems,  
 theory of organization and management of statistics,  
 theory of methods and data mining means, processing and analysis of statistical information,  
 theory of cognitive modeling technology  
 in theoretical statistics;

***the financing of fundamental researches and developments in area “The theoretical financial analysis, monetary circulation and credit” (\*)*** – theory of tendencies, dependences and laws of the financial analysis of objects, processes and phenomena, theory of system, information and cognitive approaches in economics, theory of structure and dynamics of financial market functioning, theory of global purposes of standardization of accounting and problems of unification of accounting documents, theory of institutional subjects of regulating of creation, distribution and use of international standards, theory of principles of creation, distribution and use of international standards of financial and accounting documents, theory of basic methods of financial documents transformation, theory of formation of accounting balance under international standards of financial documentation, theory of qualifying tests of professional participants of financial system of the country, theory of administrative-legal forms of existence of managing subject, theory of features of the financial analysis procedure of managing subject, theory of organizational structure of enterprise and its features (educational organization of educational system and information-educational environment), theory of inflationary depreciation, discounting and compounding of money streams in economical system of the country, theory of indexes of dynamics of financial market and tools, theory of dynamics and communications of managing subjects, theory of investment and innovative politics of managing subject in financial system of the country, theory of organizational, technological, scientific, methodical, normative-legal, information, hardware, software, brainware, raw, warehouse, personnel and economical preparations of manufacture process and basis of the financial analysis and estimation of quality of activity of credit and other organization, theory of requirements and structure of financial documents of (non)industrial organizational structures, theory of additional elements of accounting and financial documents of credit organization, theory of consumers of financial documents, theory of elements of financial documents connected with changes of financial-economy activity, theory of simple and consolidated accounting and financial documents, theory of methods of the financial analysis of different forms of documents, theory of accounts structure of the accounting and financial analysis, theory of the vertical, horizontal and trend financial analysis based on analytical coefficients system, theory of circuit of auditor check procedure, the financial analysis and audit, theory of external and internal control of different organizations activity, theory of kinds of bank operations, theory of structure of accounting balance (form №1), theory of structure of explanatory note to accounting balance, theory of structure of report about profits and losses (form №2), theory of structure of explanatory note to report about profits and losses, theory of structure of report about change of capital (form №3), theory of structure of report about movement of money resources under accounts (form №4), theory of structure of explanatory note to report about movement of means, theory of structure of appendix to accounting balance (form №5), theory of structure of report about target use of received means (form №6), theory of structure of auditor conclusion about results of activity of enterprise, (credit) organization, organization of The Federal reserved system of The USA,

theory of analysis of stability of credit organization and commercial bank, theory of basic analytical coefficients of the financial analysis, theory of structure of accounting balance and report about profits and losses of enterprise for introduction of analytical coefficients system, theory of cognitive modeling technology with dynamic cloning, verification and subverification, theory of iterative cycle and technique of use of cognitive modeling technology, theory of techniques of formation of normative-legal and information basis for the financial analysis of organization, theory of technique of additional check of information basis of the financial analysis, theory of techniques of creation and modification of working plan of accounts and model of accounting, theory of technique of carrying out of the financial analysis of condition of organization, theory of parametrical cognitive models block for the financial analysis and increase of efficiency of functioning of objects, processes and phenomena, theory of structure of cognitive model for the vertical, horizontal and trend financial analysis of (credit) organization and enterprise, theory of ways of representation of structure of cognitive models and problem environments (formal and non-formal classical and new of 0<sup>th</sup> generation, flat and volumetric of the 1<sup>st</sup> generation and 2<sup>nd</sup> generation and hybrid of the 3<sup>rd</sup> generation), theory of algorithm of formation of cognitive model structure, theory of technique of research of cognitive models parameters, theory of algorithm of analysis of a posteriori results of research, theory of formation and accounting of accounting balance units of industrial and nonindustrial organization, theory of calculation of cognitive models parameters for the vertical, horizontal and trend static and dynamic financial analysis of enterprise and (credit) organization in conditions of definiteness and uncertainty, theory of software for automation of research tasks, theory of statistical substantiation of practical use of received results, theory of factors influencing to efficiency of functioning of (credit) organization and enterprise in economical system, theory of organization and plan of carrying out of experiment, theory of research of cognitive models parameters for the vertical, horizontal and trend financial analysis, theory of preliminary processing of a posteriori results of diagnostics, theory of choice of statistical analysis methods of generated data sets, theory of analysis of productivity dynamics of financial-economy activity, theory of dispersion, regression, discriminant, cluster analysis, multidimensional scaling, factor analysis and bibliographical lists; ***the financing of fundamental researches and developments in area “Theoretical other branches of economics”*** – theory of manufacture of musical instruments, theory of manufacture of photo-art products, theory of jeweler industry, theory of manufacture of toys, theory of manufacture of sport products, theory of manufacture of writing goods, theory of cognitive modeling technology in theoretical other branches of economics].

The fundamental researches financing branches and departments of The SF allow to the financing of development, production and promotion of the main and derivative scientific results of CMT.