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THE APPLIED DEVELOPMENTS DIRECTION  
“COGNITIVE MODELING IN THE HUMANITARIAN SCIENCES,  
ART AND CREATIVITY” (“NGNOT”)

OF “SRI “SFA CMT” OF “RA(N)S” N. A. VENIAMINOV V.N.” (PART 1)

The developed “The applied developments direction  
“Cognitive modeling in the humanitarian sciences, art and creativity” (“NGNOT”)  
treats to the applied developments divisions  
of “The scientific-research institute “System and financial analysis based on  
cognitive modeling technology” of “RA(N)S” named after Veniaminov V.N.”  
 (“SRI “SFA CMT” of “RA(N)S” n. a. Veniaminov V.N.” – SRI) as the first SRI  
in the structure of “SIO “Academy of cognitive natural sciences” (“SIO “ACNS”)  
and 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 developments directions and scientific-researches laboratories of SRI]:  
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:  
1. “The scientific-researches laboratory  
“Applications of (cognitive) linguistics,  
(national) creativity, culture, art and religion” (“SGNT”) (\*)  
*“The applied developments in the area  
“Applications of science of language”* –  
usage of theory of general science of language,  
usage of theory of applied science of language, usage of theory of languages of The World,  
usage of theory of the cognitive modeling technology  
in the applications of science of language;  
*the applied developments in the area  
“Applications of (cognitive) linguistics”* (\*) –  
usage of theory of the general questions of languages,  
usage of theory of (cognitive) linguistics,  
usage of theory of applied linguistics,  
usage of theory of the cognitive modeling technology  
in the applications of (cognitive) linguistics,  
usage of theory of the modified stratified-step model  
of understanding (cognitive linguistics) of the content of information fragments,  
usage of theoretical bases of (cognitive) linguistics  
and the cognitive modeling technology  
in the technical, economic, physical-mathematical and other sciences,  
usage of theoretical bases of the parametrical cognitive models block  
for the system analysis of the information-educational environments  
(the cognitive models of the subject of training and the means of training),  
usage of theory of the ways of representation of the structure  
of the cognitive models and difficult problem environments:  
the formal classical of the 0<sup>th</sup> generation (the logical and production models),  
the nonformal classical of the 0<sup>th</sup> generation (the semantic network, the frame network and ontology),  
the formal new of the 0<sup>th</sup> generation (the calculus of theory of sets and corteges on domains  
and the innovative calculus of theory of sets and graphs),  
the nonformal new of the 0<sup>th</sup> generation (the multi-level structural scheme  
and the multi-level encapsulated pyramids combining theory of graphs and theory of sets),  
the flat of the 1<sup>st</sup> generation (the cognitive circle and the cognitive disc),  
the volumetric of the 1<sup>st</sup> generation (the cognitive cylinder, the cognitive cone and the cognitive sphere),  
the flat and volumetric of the 2<sup>nd</sup> generation (the one-, two-, three-, four-, five- and more cognitive circle,  
cognitive disc, cognitive cylinder, cognitive cone and cognitive sphere),  
the hybrid of the 3<sup>rd</sup> generation (the combinations of the existing cognitive models),  
usage of theory of the adaptive automation means  
of the information-educational environment  
(the basic and applied diagnostic module, the electronic textbook,  
the laboratory practical work, the electronic dean, the electronic library and others),  
usage of theory of the technical means of support  
of the adaptive information interaction  
(the adaptive representation of sequence of information fragments processor,  
the question-answers structures sequence processing processor,  
the linguistic processor and other processors);

*the applied developments in the area “Applications of culture and cultural-science”* – usage of theory, methodology and philosophy of culture, usage of theory of history of culture, usage of theory of history of the study of culture, usage of theory of culture in the modern world, usage of theory of organization and management in the area of culture, usage of theory of international cooperation in the area of culture, usage of theory of hardware of the establishments of culture, usage of theory of social-cultural activity in the sphere of leisure, usage of theory of library affair, usage of theory of library-science, usage of theory of bibliography, usage of theory of librarygraphy-science, usage of theory of museum affair, usage of theory of museology, usage of theory of protection of the monuments of history and culture, usage of theory of archival affair, usage of theory of archival-science, usage of theory of culture and cultural-science of the separate countries and peoples, usage of theory of the cognitive modeling technology in the applications of culture and cultural-science;

*the applied developments in the area “Applications of art and art-science”* – usage of theory and methodology of art, usage of theory of the problems of art-science, usage of theory of history of art and the modern condition of art, usage of theory of art-science and fine-art criticism, usage of theory of art in the modern world, usage of theory of organization and management in the area of art, usage of theory of international cooperation in the area of art, usage of theory of fine-art, usage of theory of music, usage of theory of musicology, usage of theory of theatre, usage of theory of theater-science, usage of theory of mass shows and theatrical holidays, usage of theory of dance, usage of theory of choreography, usage of theory of circus, usage of theory of platform, usage of theory of cinema, usage of theory of motion-picture-art, usage of theory of national folk art, usage of theory of art of the separate countries and peoples, usage of theory of the cognitive modeling technology in the applications of art and art-science;

*the applied developments in the area “Applications of religion and atheism”* – usage of theory of atheism and free-thinking, usage of theory of separate religions, usage of theory of church, usage of theory of cults, usage of theory of the problems of religious consciousness, usage of theory of philosophy and religion, usage of theory of religion, usage of theory of church and society, usage of theory of the organizational-practical activity of churches, usage of theory of history of atheism, usage of theory of religions and churches, usage of theory of the cognitive modeling technology in the applications of religion and atheism].

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“The Nobel committee” (The Kingdom of Norway and The Kingdom of Sweden)

(it was submitted to “SIO "ACNS”” on the int. conf. “IQR and D in MO: CA” on the 01<sup>st</sup>-31<sup>st</sup> of October 2016.y.)

II. “The scientific-researches laboratory  
“Applications of literature, science-study, philosophy,  
journalism and mass communication means”” (“SLPZ”)  
*[ the applied developments in the area*  
*“ Applications of literature, literary-science*  
*and oral national creativity ” –*  
usage of theory of literature, usage of theory of history of literature,  
usage of theory of oral national creativity,  
usage of theory of the auxiliary literary-science disciplines,  
usage of theory of the products of fiction literature,  
usage of theory of the cognitive modeling technology  
in the applications of literature, literary-science and oral national creativity;  
*the applied developments in the area*  
*“ Applications of science-study ” –*  
usage of theory of the general questions of science-study,  
usage of theory of the development of science, usage of theory of science and society,  
usage of theory of sociology of science, usage of theory of scientific work,  
usage of theory of scientific creativity, usage of theory of the organization of science,  
usage of theory of politics in the area of science,  
usage of theory of the technique and technics of research work,  
usage of theory of economics of science, usage of theory of scientific staff,  
usage of theory of the international cooperation in science,  
usage of theory of science and scientific-research work in the separate countries,  
usage of theory of the cognitive modeling technology  
in the applications of science-study;  
*the applied developments in the area*  
*“ Applications of mass communication,*  
*journalism and mass media means ” –*  
usage of theory of the mass communication means,  
usage of theory of the open network information resources (“Internet” and “WWW”),  
usage of theory of journalism, usage of theory of the mass media means,  
usage of theory of printing, usage of theory of television, usage of theory of radio,  
usage of theory of use of the technical means for mass communication,  
usage of theory of the cognitive modeling technology  
in the applications of mass communication,  
journalism and mass media means ] .

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