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THE FUNDAMENTAL DEVELOPMENTS BRANCH

“COGNITIVE MODELING

IN THE HISTORICAL-PHILOLOGICAL SCIENCES” (“OIFN”)

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

The developed “The fundamental developments branch “Cognitive modeling in the historical-philological sciences”” (“OIFN”) treats to the fundamental 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 fundamental developments branches and departments 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 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 developments department “Theory of history and historical sciences”” (“SI”) [*the fundamental developments in the area “Theoretical history and historical sciences”* – theory of general history, theory of history of Azerbaijan, theory of history of Armenia, theory of history of Belorussia, theory of history of Georgia, theory of history of Kazakhstan, theory of history of Kirghizia, theory of history of Moldova, theory of history of RF, theory of history of Tajikistan, theory of history of Turkmenia, theory of history of Uzbekistan, theory of history of Ukraine, theory of history of the separate processes, parties and phenomena of human activity, theory of archeology, theory of ethnography, theory of historical anthropology, theory of auxiliary historical disciplines, theory of history of the separate countries, theory of the cognitive modeling technology in the theoretical history and historical sciences].

II. “The fundamental developments department
 "Theory of science of language, (cognitive) linguistics,
 literature, literary-science and oral national creativity"” (“SYL”) (*)
 [*the fundamental developments in the area
 “Theoretical science of language”* –
 theory of general science of language,
 theory of applied science of language, theory of languages of the world,
 theory of the cognitive modeling technology
 in the theoretical science of language;
*the fundamental developments in the area
 “Theoretical (cognitive) linguistics”* (*) –
 theory of the general questions of theoretical (cognitive) linguistics,
 theory of (cognitive) linguistics, theory of applied linguistics,
 theory of the cognitive modeling technology
 in the theoretical (cognitive) linguistics,
 theory of the modified stratified-step model
 of understanding (cognitive linguistics) of the content of information fragments,
 theoretical bases of cognitive linguistics and the cognitive modeling technology
 in the technical, economic, physical-mathematical and other sciences,
 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),
 theory of the ways of representation of the structure of the cognitive models and problem environments:
 the formal classical of the 0th generation (the logical and production models),
 the nonformal 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 nonformal 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 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),
 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 fundamental developments in the area
 “Theoretical literature, literary-science and oral national creativity”* –
 theory of literature, theory of history of literature, theory of national creativity,
 theory of the auxiliary literary-science disciplines,
 theory of the products of fiction literature,
 theory of the cognitive modeling technology
 in the theoretical literature, literary-science and oral national creativity].

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