

Vetrov Anatoly Nikolaevich, author of the unique cognitive modeling technology
www.vetrovan.(spb.)ru

The RF, Saint-Petersburg city

THE FUNDAMENTAL DEVELOPMENTS BRANCH

“COGNITIVE MODELING

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

OF “THE SRI "SFA CMT" OF "THE RA(N)S" NAMED AFTER V.N. VENIAMINOV”

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 “The RA(N)S” named after V.N. Veniaminov” (“The SRI “SFA CMT” of “The RA(N)S” named after V.N. Veniaminov” – The SRI) as the first SRI 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 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 The SRI]:

- 1) it is executed by the principle of “administrative-economy submission”;
- 2) works in several main directions, which allow to provide development 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 developments department “The theory of the history and historical sciences”” (“SI”)
[the fundamental developments in area “Theoretical history and historical sciences” – theory of general history, theory of history of Azerbaijan, theory of history of Armenia, theory of history of Belarus, theory of history of Georgia, theory of history of Kazakhstan, theory of history of Kirghizia, theory of history of Moldova, theory of history of The 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 separate processes, parties and phenomena of human activity, theory of archeology, theory of ethnography and historical anthropology, theory of auxiliary historical disciplines, theory of history of separate countries, theory of cognitive modeling technology in theoretical history and historical sciences].

II. “The fundamental developments department
“The theory of the science of language, (cognitive) linguistics,
literature, literary science and oral national creativity”” (“SYL”) (*)
[the fundamental developments in 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 cognitive modeling technology
 in theoretical science of language;
the fundamental developments in area
“Theoretical (cognitive) linguistics” () –*
 theory of general questions of theoretical (cognitive) linguistics,
 theory of (cognitive) linguistics, theory of applied linguistics,
 theory of cognitive modeling technology
 in theoretical (cognitive) linguistics,
 theory of modified stratified-step model
 of understanding (cognitive linguistics) of information fragments content,
 theoretical bases of cognitive linguistics and cognitive modeling technology
 in technical, economical, physical-mathematical and other sciences,
 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 0th generation (logical and production models),
 nonformal classical of the 0th generation (semantic network, frame network and ontology),
 formal new of the 0th generation (calculus of theory of sets and corteges on domains
 and innovative calculus of theory of sets and graphs),
 nonformal new of the 0th generation (multilevel structural scheme
 and multilevel encapsulated pyramids combining theory of graphs and theory of sets),
 flat of the 1st generation (cognitive circle and cognitive disc),
 volumetric of the 1st generation (cognitive cylinder, cognitive cone and cognitive sphere),
 flat and volumetric of the 2nd generation (one-, two-, three-, four-, five- and more cognitive circle,
 cognitive disc, cognitive cylinder, cognitive cone and cognitive sphere),
 hybrid of the 3rd 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),
the fundamental developments in area
“Theoretical literature, literary science and oral national creativity” –
 theory of literature, theory of history of literature, theory of national creativity,
 theory of auxiliary literary science disciplines,
 theory of products of fiction literature,
 theory of cognitive modeling technology
 in theoretical literature, literary science and oral national creativity].

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