

“the author of the unique technology” of cognitive modeling” Vetrov Anatoly Nikolaevich  
www.vetrovan.(spb.)ru  
RF, Saint-Petersburg city

THE FUNDAMENTAL DEVELOPMENTS BRANCH  
“COGNITIVE MODELING IN THE GLOBAL PROBLEMS  
AND INTERNATIONAL RELATIONS” (“OGPMO”)  
OF “SRI "SFA CMT" OF "RA(N)S" N. A. VENIAMINOV V.N.”

The developed “The fundamental developments branch  
“Cognitive modeling in the global problems  
and international relations”” (“OGPMO”)  
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 demography, pedagogics and national education,  
standardization, complex studying of separate countries and regions,  
general and complex problems of natural, exact, technical,  
public and applied sciences and branches of production”” (“SGP”)  
*the fundamental developments in the area  
“Theoretical demography”* –  
theory and methodology of demographical science,  
theory of the general problems of national-population, theory of statistics of population,  
theory of history of population, theory of historical demography,  
theory of the resettlement of population, theory of geographical demography,  
theory of the population of the world,  
theory of the cognitive modeling technology  
in the theoretical demography;  
*the fundamental developments in the area  
“Theoretical pedagogics and national education”* –  
theory of general pedagogics, theory of history of education and pedagogics,  
theory of personnels, theory of the system of education, theory of preschool education,  
theory of preschool pedagogics, theory of general-educational (comprehensive) school,  
theory of the pedagogics of general-educational (comprehensive) school,  
theory of out-of-school (additional) education and training,  
theory of out-of-school pedagogics, theory of special (correctional) schools,  
theory of defectology, theory of primary professional-technical education,  
theory of the pedagogics of professional (vocational) school,  
theory of average professional (vocational) education,  
theory of the pedagogics of average professional (vocational) education,  
theory of higher professional (vocational) education,  
theory of the pedagogics of higher professional (vocational) school,  
theory of education of adults, theory of the improvement of professional skills,  
theory of self-education, theory of family education,  
theory of family pedagogics, theory of the specialized branches of education,  
theory of the technical means of training and training equipment,  
theory of national education and pedagogics in the separate countries,  
theory of the cognitive modeling technology  
in the theoretical pedagogics and national education;

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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. “APMS and T: CA” on the 01<sup>st</sup>-31<sup>st</sup> of March 2016 y.)

*the fundamental developments in the area*  
**“Theoretical standardization”** – theory of the systems and services of standardization, theory of the scientific-methodological support of the systems and services of standardization, theory of the cognitive modeling technology in the theoretical standardization;  
*the fundamental developments in the area*  
**“Theoretical complex studying of the separate countries and regions”** – theory of RF as a particular, theory of RF as a whole, theory of The North-Western federal district of RF, theory of The Central federal district of RF, theory of The Privolzhsky federal district of RF, theory of The Southern federal district of RF, theory of The Uralian federal district of RF, theory of The Siberian federal district of RF, theory of The Far-Eastern federal district of RF, theory of the area and territory of the former USSR, theory of the countries of CIS of Eastern Europe, theory of the countries of CIS of Zacaucasia, theory of the countries of CIS of Central Asia, theory of the Baltic countries and Baltic, theory of Europe as a whole, theory of Western Europe, theory of Southern Europe, theory of Central Europe, theory of Eastern Europe as a whole, theory of Scandinavia and the Scandinavian countries, theory of Asia as a whole, theory of Forward Asia, theory of Eastern Asia, theory of Southern Asia, theory of South-Eastern Asia, theory of Central Asia, theory of Near and Middle East, theory of Africa as a whole, theory of Northern Africa, theory of East Africa, theory of Central Africa, theory of Western Africa, theory of Southern Africa, theory of America as a whole, theory of USA and Canada, theory of Central America, theory of Southern America, theory of Australia and the countries of Oceania, theory of the Arctic and Antarctic polar areas, theory of the surface of The Earth and land, ocean, sea and internal waters, theory of the other political-geographical features of The Earth, theory of the cognitive modeling technology in the theoretical complex studying of the separate countries and regions;  
*the fundamental developments in the area*  
**“Theoretical general and complex problems of natural and exact sciences”** – theory of the general and complex problems of natural and exact sciences, theory of the cognitive modeling technology in the theoretical general and complex problems of natural and exact sciences;  
*the fundamental developments in the area*  
**“Theoretical general and complex problems of technical and applied sciences and branches of production”** – theory of materials-science, theory of the general technology of production, theory of designing, theory of constructing, theory of the flexible industrial systems (FIS), theory of vacuum technics, theory of cryogenic technics, theory of corrosion and protection against corrosion, theory of welding, theory of optical production, theory of staff, theory of the control and management of quality, theory of installation, theory of the operation and repair of industrial equipment, theory of material-technical supply, theory of logistics, theory of warehouse economy, theory of container and packing, theory of secondary raw materials, theory of fire safety, theory of safety, theory of salvage-rescue services, theory of technical aesthetics, theory of ergonomics, theory of the protection of information, theory of the cognitive modeling technology in the theoretical general and complex problems of technical and applied sciences and the branches of production;  
*the fundamental developments in the area*  
**“Theoretical complex problems of social sciences”** – theory of social-political idea, theory of global problems, theory of labor, theory of the cognitive modeling technology in the theoretical complex problems of social sciences].

II. “The fundamental developments department  
“Theory of culture and cultural-science, art and art-science,  
mass communication, journalism and mass media means,  
religion, internal trade and tourist-excursion service,  
external trade, transport, housing-communal economy,  
housekeeping and consumer services at the international level”” (“SMO”)  
*[the fundamental developments in the area*  
*“Theoretical culture and cultural-science”* –  
theory, methodology and philosophy of culture, theory of history of culture,  
theory of history of the studying of culture, theory of culture in the modern world,  
theory of organization and management in the area of culture,  
theory of international cooperation in the area of culture,  
theory of hardware of the establishments of culture,  
theory of social-cultural activity in the sphere of leisure,  
theory of library affair, theory of library-science,  
theory of bibliography, theory of bibliography-science,  
theory of museum affair, theory of museology (museum-science),  
theory of protection of the monuments of history and culture,  
theory of archival affair, theory of archival-science,  
theory of culture of the separate countries and peoples,  
theory of the cognitive modeling technology  
in the theoretical culture and cultural-science;  
*the fundamental developments in the area*  
*“Theoretical art and art-science”* –  
theory and methodology of art and the problems of art-science,  
theory of history and the modern condition of art,  
theory of art-science and art criticism,  
theory of art in the modern world,  
theory of organization and management in the area of art,  
theory of international cooperation in the area of art,  
t h e o r y o f f i n e a r t ,  
theory of music and musicology (music-science), theory of theatre and theater-science,  
theory of mass and theatrical holidays, theory of dance and choreography,  
theory of circus, theory of platform, theory of cinema and motion-picture-art,  
theory of national folk art, theory of art of the separate countries and peoples,  
theory of the cognitive modeling technology  
in the theoretical art and art-science;  
*the fundamental developments in the area*  
*“Theoretical mass communication,*  
*journalism and mass media means”* –  
theory of the mass communication means,  
theory of the open network information resources (“Internet” and “WWW”),  
theory of journalism, theory of the mass media means,  
theory of printing, theory of television (TV), theory of radio,  
theory of use of the technical means for the mass communication,  
theory of the cognitive modeling technology  
in the theoretical mass communication,  
journalism and the mass media means;

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*the fundamental developments in the area “Theoretical religion”* – theory of atheism and free-thinking, theory of separate religions, theory of church and cults, theory of the problems of religious consciousness, theory of philosophy and religion, theory of religion, theory of church and society, theory of the organizational-practical activity of churches, theory of history of atheism, theory of religions and churches, theory of the cognitive modeling technology in the theoretical religion;

*the fundamental developments in the area “Theoretical internal trade and tourist-excursion service”* – theory of the general questions of internal trade and tourist-excursion service, theory of wholesale trade, theory of retail trade, theory of public catering, theory of hotel economy, theory of tourist-excursion service, theory of the cognitive modeling technology in the theoretical internal trade and tourist-excursion service;

*the fundamental developments in the area “Theoretical external trade”* – theory of the kinds of external trade, theory of external-trade politics, theory of communication of the external trade with production, theory of the structure of external trade, theory of the calculations on the external-trade operations, theory of the external-trade transportations, theory of the world commodity markets, theory of the international agreements about trade, theory of international contracts, theory of the international trading organizations, theory of commodity agreements, theory of the organization and management of external trade, theory of the cognitive modeling technology in the theoretical external trade;

*the fundamental developments in the area “Theoretical transport”* – theory of railway transport, theory of motor-car transport, theory of water transport, theory of air transport, theory of pipeline transport, theory of industrial transport, theory of urban (city) transport, theory of interaction of the different kinds (types) of transport, theory of mixed transportations, theory of the other kinds (types) of transport, theory of the cognitive modeling technology in the theoretical transport;

*the fundamental developments in the area “Theoretical housing-communal economy, housekeeping and consumer services”* – theory of housing economy, theory of communal economy, theory of consumer services, theory of housekeeping, theory of the cognitive modeling technology in the theoretical housing-communal economy, housekeeping and consumer services].

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