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THE FUNDAMENTAL DEVELOPMENTS BRANCH  
“COGNITIVE MODELING IN THE GLOBAL PROBLEMS  
AND INTERNATIONAL RELATIONS” (“OGPMO”)

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 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 “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 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 manufacture branches”” (“SGP”)  
*“the fundamental developments in area  
“Theoretical demography”* –  
theory and methodology of demographical science,  
theory of general problems of population, theory of population statistics,  
theory of history of population, theory of historical demography,  
theory of population moving, theory of geographical demography,  
theory of The World's population,  
theory of cognitive modeling technology  
in theoretical demography;  
*“the fundamental developments in area  
“Theoretical pedagogics and national education”* –  
theory of general pedagogics, theory of history of education and pedagogics,  
theory of personnels, theory of education system, theory of preschool education,  
theory of preschool pedagogics, theory of comprehensive school,  
theory of pedagogics of 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 initial vocational-technical education,  
theory of pedagogics of professional school,  
theory of average vocational education,  
theory of pedagogics of average vocational education,  
theory of supreme vocational education,  
theory of pedagogics of supreme professional school,  
theory of education of adults, theory of improvement of professional skill,  
theory of self-education, theory of family education,  
theory of family pedagogics, theory of specialized branches of education,  
theory of technical means of training and training equipment,  
theory of national education and pedagogics in separate countries,  
theory of cognitive modeling technology  
in theoretical pedagogics and national education;

*the fundamental developments in area*  
**"Theoretical standardization"** – theory of systems and services of standardization, theory of scientific-methodological support of systems and services of standardization, theory of cognitive modeling technology in theoretical standardization;  
*the fundamental developments in area*  
**"Theoretical complex studying of separate countries and regions"** – theory of The RF as a particular, theory of The RF as a whole, theory of The North-Western federal district of The RF, theory of The Central federal district of The RF, theory of The Privolzhsky federal district of The RF, theory of The Southern federal district of The RF, theory of The Uralian federal district of The RF, theory of The Siberian federal district of The RF, theory of The Far-Eastern federal district of The RF, theory of area and territory of The former USSR, theory of countries of The CIS of Eastern Europe, theory of countries of The CIS of Zaucasasia, theory of countries of The CIS of Central Asia, theory of 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 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 The USA and Canada, theory of Central America, theory of Southern America, theory of Australia and countries of Oceania, theory of Arctic and the Antarctic polar areas, theory of surface of The Earth and land, ocean, sea and internal waters, theory of other political-geographical features of The Earth, theory of cognitive modeling technology in theoretical complex studying of separate countries and regions;  
*the fundamental developments in area*  
**"Theoretical general and complex problems of natural and exact sciences"** – theory of general and complex problems of natural and exact sciences, theory of cognitive modeling technology in theoretical general and complex problems of natural and exact sciences;  
*the fundamental developments in area*  
**"Theoretical general and complex problems of technical and applied sciences and manufacture branches"** – theory of materiology (material science), theory of general technology of production, theory of designing, theory of constructing, theory of 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 manufacture, theory of staff, theory of control and quality management, theory of installation, theory of 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 industrial art, theory of ergonomics, theory of information protection, theory of cognitive modeling technology in theoretical general and complex problems of technical and applied sciences and manufacture branches;  
*the fundamental developments in area*  
**"Theoretical complex problems of social sciences"** – theory of social-political idea, theory of global problems, theory of work, theory of cognitive modeling technology in theoretical complex problems of social sciences].

II. "The fundamental developments department  
"The theory of the 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 services,  
housekeeping and consumer services at international level"" ("SMO")  
*[the fundamental developments in area*  
*"Theoretical culture and cultural science" –*  
 theory, methodology and philosophy of culture, theory of history of culture,  
 theory of history of culture studying, theory of culture in the modern world,  
 theory of organization and management in field of culture,  
 theory of international cooperation in field of culture,  
 theory of hardware of establishments of culture,  
 theory of social-cultural activity in sphere of leisure,  
 theory of library affair, theory of library science,  
 theory of bibliography, theory bibliography science,  
 theory of museum affair, theory of museology (museum science),  
 theory of monuments protection of history and culture,  
 theory of archival affair, theory of archival science,  
 theory of culture of separate countries and peoples,  
 theory of cognitive modeling technology  
 in theoretical culture and cultural science;  
*the fundamental developments in area*  
*"Theoretical art and art science" –*  
 theory and methodology of art and problems of art science,  
 theory of history and modern condition of art,  
 theory of art science and photo-art critics,  
 theory of art in the modern world,  
 theory of organization and management in field of art,  
 theory of international cooperation in field of art,  
 theory of fine art,  
 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 arts,  
 theory of national folk art, theory of art of separate countries and peoples,  
 theory of cognitive modeling technology  
 in theoretical art and art science;  
*the fundamental developments in area*  
*"Theoretical mass communication,*  
*journalism and mass media means" –*  
 theory of mass communication means,  
 theory of open network information resources (Internet and WWW),  
 theory of journalism, theory of mass media means,  
 theory of seal (press), theory of television (TV), theory of radio,  
 theory of use of technical means for mass communication,  
 theory of cognitive modeling technology  
 in theoretical mass communication,  
 journalism and mass media means;

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

*the fundamental developments in area “Theoretical internal trade and tourist-excursion service”* – theory of 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 cognitive modeling technology in theoretical internal trade and tourist-excursion service;

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

*the fundamental developments in 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 municipal transport, theory of interaction of different types of transport, theory of mixed transportations, theory of other types of transport, theory of cognitive modeling technology in the theoretical transport;

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

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