



STCU Project Funding Table  
2nd Governing Board Meeting 10-11 May, 1996

Project Number	Full Title	Leading Institution	Requested Funds (\$1000)	US Funds	Canadian Funds	Swedish Funds	Comments Conditions	Total Funding
125	Research and Development of a Highly-Efficient New Generation Bremsstrahlung Converter for Sterilizers.	State University Svobody, 4 Kharkov, 310077	114,246	114,246			4,5	114,246
132	Development and Investigation of the Method and Equipment for Membrane Ion Transport Regulation in Living Organisms Cells by the Magnetic Field	Special Research and Development Bureau for Cryogenic Technologies Lenin, 47 Kharkov, 310164	120,000				2	
155	Development of Resource and Energy Saving Technology for Production of High-Strength and Corrosion Resistant Composite Materials Using Microwave Energy and Ionizing Radiation	State University Kharkov, 310077 Svobody, 4	82,480	41,240	41,240		4,5	82,480
181	Reconstruction of Existing Boiler Facility for Purpose of Using the New Combustion Technologies of Low-Grade Ukrainian Coals.	Design Office Yuzhnoe Krivorozhskaya, 3 Dnipropetrovsk, 320008	129,000	129,000			5	129,000
192	Modeling of Global and Regional Carbon Cycles in the Biosphere, and Prognosis of Relationships in Bio- and Solar Physics	Scientific-Production Center "Information Technologies and Systems", Institute of Physics and Mechanics	112,000				2	
196	High Efficiency Scintillator Crystals, and Detecting Devices and Radiation Monitoring Systems Based on Them	Institute for Single Crystals, PO "Kommunar" Kharkiv, 310001, Lenin, 60	141,602	113,282	28,320		5	141,602
212	Super Multi-Channel Microwave Networks	Research Institute of New & Applied Physical Problems Kiev, 254073 Frunze 160/20	24,980			24,980	4	24,980
228	Manufacture of CdTe-Detectors of Radioactive Radiation and Ecologically Noxious Gases	Institute of Semiconductor Physics SPC "Prolog" Pr. Nauki, 45 Kiev, 252650	150,000	150,000			5	150,000
232	Intellect	International Charity Foundation for History and Development for Computer Sciences and Technique, Vladimirska, 51/53 Kiev, 252003	51,250	35,875	15,375		4,5	51,250
234	Development of Technology of High Hydrogen IV Group Metals Compounds Obtaining, Studying Their Physical-Chemical Properties, Computer Simulation of Process	Institute for Problems of Materials Krzhizhanovsky, 3 Kiev, 252180	247,324	222,592	24,732		5	247,324
253	Research into Mechanisms of Plasma Heating With Electromagnetic Fields and Into Phenomena of Plasma Chemistry	National Science Center "Kharkiv Institute of Physics and Technology", KIPT Academicheskaya St., 1 Kharkiv, 310108	174,691	100,000			4,5	100,000

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256	Development of Turbulence and Saturation of Amplitude of High Intensity Oscillations Excited by Electron Beam in Hybrid Plasma Wave Guides	National Science Center Kharkov Institute of Physics and Technology Academicheskaya, 1 Kharkov, 310108	220,231	220,231			5	220,231
277	Investigation of Non-Stationary Processes During Interaction of Charged Particle Beams with Space and Ionosphere Plasma	National Science Center Kharkov Institute of Physics and Technology Academicheskaya, 1 Kharkov, 310108	88,600	88,600			5	88,600
279	Design of Powerful Sources of Short Wavelength (Up to X-Rays) Coherent Irradiation	National Science Center Kharkov Institute of Physics and Technology Academicheskaya, 1 Kharkov, 310108	78,595	78,595			5	78,595
285	Development of Scientific Bases of Intense X-ray and Gamma Radiation Sources and Proposals for Their Applications in Radiation Technologies in Ukraine	National Science Center Kharkov Institute of Physics and Technology Academicheskaya, 1 Kharkov, 310108	207,180				2	
295	Development of Plasma Surgical Complex	Design Office YUZHNOE after the name of M. K. Yangel. Kirozhskaya, 3; Dnipropetrovsk	219,000				2	
298	Plasma Lens for Focusing of Ion Beams	National Science Center "Kharkiv Institute of Physics and Technology", Kharkiv, 310108 Academicheskaya St. 1	63,844	63,844			5	63,844
299	Turbocharging System to Increase the Efficiency and Ecological Purity of Internal Combustion Engines	"UKRTURBOTECHNICS" Lenina St., 28, 10th Floor Kharkov	292,000	180,000			4,5	180,000
300	Development and Production of the Brand-New Type of Sensors Based on the Magnetoresistance Effect	Institute of Metal Physics Vernadsky, 36 Kiev 252680	172,700	172,700			5	172,700
303	Development of Equipment of Coal Mines Using Polymer Composite Materials	Design Office YUZHNOE Kirozhskaya, 3 Dnipropetrovsk	48,150	48,150			5	48,150
304	Development of Acoustic Microelectronic Sensors for Detection of Noxious Substances in Atmosphere and Creation of Leak Detector on their basis	Design Office YUZHNOE Kirozhskaya, 3 Dnipropetrovsk	38,550	38,550			5	38,550
308	Centrifugal Distiller of Water Supply in Space Craft and Treatment of Thermolabile Liquids in Medicine and Food Industry	Institute of Engineering Thermophysics (Sector of Film Heat and Mass Transfer Apparatuses), NASU Zhelyabov St., 2a Kiev 252057	91,075				2	

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309	Ultrasonic and X-ray Introscopy Equipment for Medical Diagnosis	Research Insitute of Radio Engineering Measurements "RADMIR" Akad. Pavlova St., 271 Kharkiv 310054	800,000				2	
312	Groundwater Technogenic Contamination Process Simulation and Acoustic Methods of Foreign particles Extraction	Kiev State University Observatorna, 3 Kiev 254053	56,292			56,292	4	56,292
315	Electro-Slag Utilization of Military Object Which Set Free by Reduction of Army and Military Industry Conversion	E.O. Paton Electric Welding Institute Bozhenko, 11 Kiev 252650	140,000	140,000			4,5	140,000
316	Development of Scientific Base of Nitrogen Alloying Steels and Alloys from Gas Phase During Arc-Slag Remelting for Opportunities to Redirect These Materials from Military Problems to Peaceful Ones	E.O. Paton Electric Welding Institute Bozhenko, 11 Kiev 252650	70,000	56,000	14,000		5	70,000
324	Development of Fundamentals of Containers Manufacture for Storage and Transportation of Nuclear Fuel Wastes of Nuclear Power Stations of Ukraine	E.O. Paton Electric Welding Institute Bozhen, 11 Kiev 252650	94,480	94,480			5	94,480
328	Development of Artistic Laser Engraving System and Processes	R&D Company Technology Chernigivska 3817, Kiev, 253167	104,928	104,928			5	104,928
337	Novel Ceramic Materials & Devices Based on Them for Communication Equipment & Automobile Engines	Institute of General and Ionographic Chemistry, Palladin, 32/34 Kiev, 142	69,035	48,325	20,710		5	69,035
338	The Creation of a Radiometric Imaging System to Ensure River and Sea Vessels Navigation at the Limited Visibility Conditions	ICEBERG, State Research Center, 50 Years October, Kiev, 252680	48,000	48,000			5	48,000
339	The Developing of an Automated System to Control of Vacuum Plasma Equipment for Protecting and Hardening Medical Instruments	Technological Enterprise for Producing Pharmaceutical Equipment "Plasmed" Karkiv, Eisenkivska, 16 a. 9	150,000	150,000			5	150,000
350	Development Testing and Application of the Alanine ESR Dosimeter for High Irradiation Doses	"POLIGON" Scientific Engineering Ecological Centre pr. Nauky 46 Kiev 22, 252650	226,710	226,710			4,5	226,710
351	The Investigation of Ionizing Irradiation Influence on the Materials of Solid State Electronics	Institute of Physics pr. Nauky 46 Kiev 22, 252 650	159,616	135,674		23,942	5	159,616

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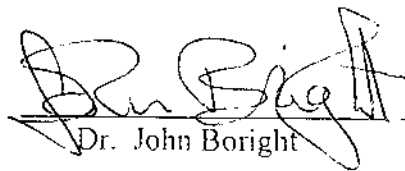
STCU Project Funding Table  
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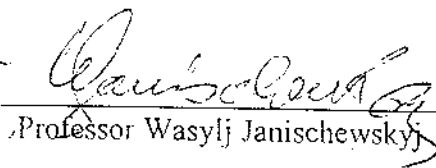
Project Number	Full Title	Leading Institution	Requested Funds (\$1000)	US Funds	Canadian Funds	Swedish Funds	Comments Conditions	Total Funding
360	Micromechanical Indicator of Kinematic Parameters for Robotics	Scientific and Analytical Centre of Critical Technologies of Guidance Instrument-Making of National Technical University pr. Peremohy, 37 Kiev-57	484,900				2	
368	Development of Technologies and Fabrication of Spatial Spektral Discriminators of Fluxes Elektronagnetik Radiation.	Institute of Semiconductor Physics 45 Prospect Nauki Kiev, 252650	120,000				2	
369	Comprehensive Risk Assessment of the Consequences of the Chernobyl Accident	Ukrainian Radiation Training Center 36, Vasylkivskaya str. Kiev 252022	193,000	164,050	28,950		4,5	193,000
378	Development Nonequilibrium Plasma Enhanced Vapour Deposition for Producing High Purity Materials and Coating which are to be used in Microelectronics and Pure Matter Production	KSSTEPE * PLASMED* Ap.11, House 1, Evpatoriysky passage Kharkov 310108	200,000				3	
382	Development and Production of High-Efficient Photoelectric Converter Moduli for Ground Solar Batteries	Institute of Semiconductor Physics pr. Nauki 45 Kiev 252650	60,000	60,000			4,5	60,000
388	Investigation of Frequency-Modulation Resonances in Ring Laser and Development of Laser Emitter for Optical Frequency Standards	Central Design Office (CDO) "ARSENAL" Moskovska str. 8 Kiev, 252601	99,880				1	
395	Bumpers and Shock Absorbents for Cars	Centre for Thermomolecular Energy and Thermionics, Pobedy prosp., 37 Kiev, 252056	50,460	25,230	25,230		5	50,460
399	Instrumentation for Spectral and Thermal Monitoring in Infrared	Main Astronomic Observatory of NASU, Golosiiv Kiev-22, 252 650	137,800				2	
411	Double Beta Decay and Neutrino Properties	Institute of Nuclear Research Kiev 252028 Nauky, 47	165,800		82,900	82,900		165,800
412	An Elaboration of Information Technologies of Functioning, Programming and Adjusting of Neurons Systems for Parallel Signals Processing.	Scientific-Production Center "Information Technologies and Systems", Institute of Phisics and Machanics Lviv, 290053 Naukova, 5	86,700				3	
436	Research and Creating of Wireless Feed Sources and Radio Hygiene Equipment Based on Transmission Systems of Power by Means of a Radiobeam (TSPR)	"Lantan LTD" Scientific-Industrial-Commercial Enterprise 252 149 Kiev Moskovskaya St., 45/1	100,000				2	

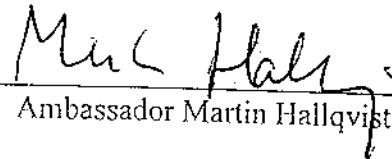
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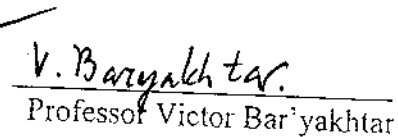
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448	Genetic Models of Uranium Ore Deposits in Pre-Cambrian of Ukraine	Metallogeny Department of Institute of Geochemistry, Mineralogy and Ore Formation of NASU 252 154 Kiev, Entusiastov st.9-46	60,000				2	
454	The Method and Program for Calculation of Alien Admixtures Diffusion in Atmosphere and Concentration Recording Instrument	"TEPFICO" Science and Technique Society 252 142 Kiev, Vernadskiy st.85, ap.37	84,000				2	
466	Creation of X-ray Amplifier with TV System and Digital Memory	Kharkov 310 054 Pavlov str. 271	600,000				2	
470	Development of Technology and Project-Design Documents and Creation of Industrial Enterprise for Production of Lecithine from Sunflower's Phosphatides	"Pivdenne" Design Office 320 008 Dnepropetrovsk Kryvotiska str.3	247,863	210,684	37,179		4,5	247,863
478	Research, Development and Creating New LC-Type Power Sources for Welding Technologies with Lower Power Consumption	The E.O.Paton Electric Welding Institute of the NAS of Ukraine Kiev, 252650, 11, Bozhenko str.	112,000				3	
480	Elaboration of the Automated System for the Vehicle and Cargo Traffic Tracking. Cargo Security	"Logos-C" 252 153 Kiev Str. Serafimovitcha h. 21, fl. 69	609,800				2	
494	Development of Methods of Diagnostics and Correction of Radiation Induced Injuries of Biopolymers at Individuals Influenced by Different Doses of Ionizing Irradiation	Research Centre for Radiation Medicine 254 050 Kiev Menikova 53	56,500		28,250	28,250	4	56,500
SPECIAL	Travel Grant From Swedish Government		30,000			30,000		30,000
			11,237,740					
TOTAL				3,634,210	425,302	296,364		4,355,876

  
Dr. John Boright

  
Professor Wasyly Janischewsky

  
Ambassador Martin Hallqvist

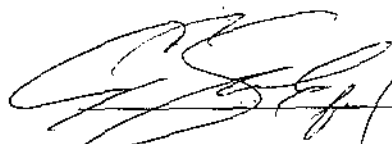
  
Professor Victor Bar'yakhtar

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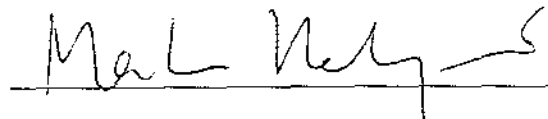
**Amendment to STCU Proposal Funding Table  
2nd Governing Board Meeting 10-11 May, 1996**


The proposal funding table of the second Governing Board Meeting is amended as follows:

Project Number	Full Title	Leading Institution	Requested Funds (\$1000)	US Funds	Canadian Funds	Swedish Funds	Comments Conditions	Total Funding	Code
298	Plasma Lens for Focusing of Ion Beams	National Science Center "Kharkiv Institute of Physics and Technology", Kharkiv, 310108 Academicheskaya St., 1	99,814	99,814			5	99,814	105
155	Development of Resource and Energy Saving Technology for Production of High Strength and Corrosion Resistant Composite Materials Using Microwave Energy and Ionizing Radiation	State University Kharkov, 310077 Svobody, 4	98,188	49,094	49,094		5, 4	98,188	120

  
Board Member for Canada Prof. Wasyl Janischewsky

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Board Member for Ukraine Dr. Victor Bar'yakhtar

  
Board Member for Sweden Ambassador Martin Hallqvist

  
Board Member for United States Dr. John Boright