

STCU PROJECT FUNDING TABLE  
 11th Governing Board Meeting, December 15, 1999

16.12.999.49

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (EURO)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
57	Plasma Sterilizer	Soloshenko Igor	Institute of Physics Kyiv	79 486	79 486					79 486	US:5 EU: 2
144	Development of the Atmospheric Refraction Noncontact Diagnostics Method Employing Satellite Radiation	Turgenev Ivan S.	Institute of Radiophysics and Electronics Kharkiv	89 700						0	US:2 EU:2
294	Research and Development of Fuel and Construction Materials for Accelerator Driven Plutonium Disposition and Nuclear Waste Transmutation Systems Using Molten Fluoride Blankets	Rozhikov Volodymyr V.	"Kharkiv Institute of Physics and Technology" National Scientific Center Kharkiv	749 921						0	US:1
359	Development of Equipment for Multi-Cycle Cultivation and Electrophoretical Separation of Microorganisms for Solution of Ecological Problems	Getmanets Volodymyr	Institute for Low Temperature Physics and Engineering Kharkiv	197 000						0	US:1 EU:2
411	Double Beta Decay and Neutrino Properties	Zdesenko Yuri G.	Institute of Nuclear Research Kyiv	199 334						0	US:2 EU:2
425	Development of Remote Sensing Methods of Detection of Oil Pollution of Marine Territories	Khomenko Stanislav I.	Institute of Radiophysics & Electronics Kharkiv	184 536						0	US:2 EU:2
524	Development and Substantiation of a Multifrequency Active-Passive Method of Remote Sensing of the Environment	Fuks Iosyp M.	Institute of Radio Astronomy Kharkiv	148 172						0	US:1 EU:2
539	Small-Size Radar Station (RS) for Small Sea Vessels and Sea-River Ships	Temniy Oleg V.	"Ukrinformzakhist" State Science- and Production Center of Information Technical Protection Kyiv	180 800						0	US:2 EU:2
543	Design of Non-Volatile Memory, Integral Microphones and Ultrasonic Converters Based on Ferroelectric Films for the Nuclear Energy, Industrial Electronics, and Medical Diagnostics	Samofalov Kostyantyn	"Kyiv Polytechnical Institute" National Technical University Kyiv	179 000						0	US:2 EU:2
547	Remote Monitoring of Earthquake Precursors by Variation of Very Low Frequency (VLF) Radio Signals	Bliokh Pavlo V.	Institute of Radio Astronomy Kharkiv	112 562						0	US:2 EU:2
579	Laser Microprocessor Systems for Remote Reading and Analysis Nonstationary Bar-Code Informations	Pavlovskij Mykhajlo A.	"RITM" Interbranch Research Institute of Mechanical Problems at the National Technical University of Ukraine "Kyiv Polytechnical Institute" Kyiv	259 170						0	US:1
593	Gas-Jet Method of Generating Electromagnetic Radiation and Its Application for Solving Scientific and Technical Problems	Verkhovtseva Evelina T.	Special Research and Development Bureau for Cryogenic Technologies at the Institute for Low Temperature Physics and Engineering Kharkiv	133 595						0	US:1 EU:2
604	Creation of a Soft-Hardware Complex for Simulation of Attitude-Control Operation and Stabilization System for Civil Micro-Satellites and Development of Control System On-Board Software	Popadinets Vasyli I.	"RITM" Interbranch Research Institute of Mechanics Problems at the Technical University of Ukraine Kyiv	220 000						0	US:1 EU:2
622	Study and Development of Fluorescent Indicator Materials for Magnetic Powder Defectoscopy	Zhelibo Evgen P.	Institute of Colloid Chemistry and Chemistry of Water of the NASU Kyiv	98 000						0	US:1

1. Review Incomplete - Consideration Deferred
2. Reviews Complete - No Willingness to Fund
3. Rewrite/Resubmit - See Comments
4. Other - See Comments
5. - Funding Party's Collaborator Required

STCU PROJECT FUNDING TABLE  
 10th Governing Board Meeting, December 15, 1999

16.12.999:49

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (EURO)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
633	Development and Building of Original Injection System for Group of Communication Spacecraft by One Zenit Launch Vehicle in National Economy's Interests	Smetanin Yuri O.	"PIVDENNE" State Design Bureau ("YUZHNOYE") Dnipropetrovsk	280 000						0	US:2
649	High-Efficiency Silicon Solar Cells with Porous Silicon	Skryshevsky Valery	Kyiv Taras Shevchenko University Kyiv	159 000						0	US:2 EU:2
655 R	Development of Scientific Foundations for Creating Structural Composites by Radiation Methods	Neklyudov Ivan M.	"Kharkiv Institute of Physics and Technology" National Scientific Center Kharkiv	149 600						0	US:1 EU:1
662	Protective Lining for Chimneys and Gas Ducts Made of Nonmetallic Composite Materials: Selection and Certification of Materials, Development of Scientific-Methodical Base and Production Facilities	Potapov Olexander M.	"PIVDENNE" State Design Bureau Dnipropetrovsk	249 687						0	US:1
702	Development of Methods and Systems for Autodestructive Cure of Dysfunction of Man's Motion Support Organs with Stimulation of Regeneration Processes	Dmitriyev Borys V.	"Pivdenne" State Design Bureau Dnipropetrovsk	247 274						0	US:2 EU:2
714	Creation of Variants for Provision of the ChAES Fourth Power-Block Covering Transformation into the Ecologically Safe Condition with Preparation of Their Computer Models	Konyukhov Stanislav M.	"Pivdenne" State Design Office Dnipropetrovsk	230 000						0	US:2 EU:2
744	Development of Reclamation Technology for Liquid Rocket Propellant Oxidizer by Its Usage in Intercalated Bubbling Graphite Production	Victor V. Zhelezayak	"Pivdenne" State Design Bureau ("Yuzhnoye") Dnipropetrovsk	199 800						0	US:2
748	Development of Research Methods and Tools for Control of the Cylinders Deformation of Internal Combustion Engine	Kesariiski Olexander G.	"Pivdenne" State Design Office Dnipropetrovsk	146 000						0	US:1 EU:2
751	Application of Analytical Mechanics Methods for Simulation of Control for Systems with Distributed Parameters	Limarchenko Oleg S.	International Mathematical Center Kyiv	107 000						0	US:2 EU:2
752	New Methods for Engineer Estimation of Dynamics and Control for Systems with Distributed Parameters	Zakrzhevskiy Olexandr E.	Institute of Mechanics Kyiv	107 000						0	US:2 EU:2
756	Development and Scientific Research of Technologies for Precision Formation of Parts	Kesariiski Olexander G.	"Laboratory of Complex Technologies" Joint-Stock Company Pavlograd (Dnipropetrovsk Region)	120 000						0	US:2 EU:2
758	Development of Nonlinear Structural Analysis Technique and Optimization of Design of Welded T-Joint with Flitch Plate of Main Pipelines	Lazovitski Igor B.	"Laboratory of Complex Technologies" Joint-Stock Company Pavlograd	59 955						0	US:2
759	Development and Production of a New Generation of Electrolysers for Purification of Industrial Waste Water	Buteiko Yuri M.	"Electroprylad" Scientific and Industrial Complex Kyiv	150 000						0	US:2 EU:2
762	The Development of Pilot-Industrial Plant for Comminution of Extrahard Materials	Us Stanislav I.	"Pivdenne" State Design Office Dnipropetrovsk	213 062						0	US:2 EU:2
778	Development of Recommendations for Creation of Fast Railway Transport in Ukraine within the Framework of Development of International Transport Corridors	Ushkalov Victor F.	Institute of Technical Mechanics Dnipropetrovsk	216 000						0	US:2 EU:2

1. Review Incomplete - Consideration Deferred
2. Reviews Complete - No Willingness to Fund
3. Rewrite/Resubmit - See Comments
4. Other - See Comments
5. - Funding Party's Collaborator Required

STCU PROJECT FUNDING TABLE  
9th Governing Board Meeting, December 15, 1999

16.12.999:49

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (EURO)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
780	Development of New Recovering and Reprocessing Technologies for Armour-Piercing Projectile Hard-Alloy Cores for Use as Tool Materials	Romanyuta Anatoly O.	"Pivdenne" State Design Office Dnipropetrovsk	152 000						0	US:2 EU:2
781	Development of Package of Methods to Calculate Heat Transfer and Thermal Protection of Space Launch Vehicles for Use in International Space Programs	Moshnenko Yuriy	"Pivdenne" State Design Bureau Dnipropetrovsk	112 270						0	US:2 EU:1
786	Elaboration of Oil and Gas Wells Productivity Increase Technology by Means of Wells Feeding Zone High-Temperature Treatment by Gas Generating Substances Burning in Water	Shcherbina Karina G.	State Scientific and Technical Center of Artillery and Rifle Arms Kyiv	199 895						0	US:2 EU:2
789	Investigation, Utilization and Averting of Super Deep Penetration of Micron Particles Into Crystalline Material on Macroscopic Distance during Pulse Loading	Zasimchuk Igor K.	Institute of Metal Physics Kyiv	160 800						0	US:2
792	Creation of the Equipment of Mammary Gland Ultrasonic Diagnosis (Ultrasonic Mammograph)	Marusenko A.	The Joint Stock Company "Scientific Research Institute of Radio Engineering Measurements" Kharkiv	176 000						0	US:2 EU:2
794	Numerical and Experimental Researches of an Opportunity of Restoration of a Volumetric Structure of Object on Disseminated to X-Ray Radiation	Leontjev Volodymyr	"Scientific Research Institute of Radio Engineering Measurements" Joint-Stock Company Kharkiv	160 000						0	US:2 EU:2
796	Creation of a Visualization Digital System for X-ray Mammography	Leontyev Volodymyr	"Scientific Research Institute of Radio Engineering Measurements" Joint Stock Company Kharkiv	190 000						0	US:2 EU:2
804	Development of a Device for Non-Contact Measurement of the Thermal Dilatation of Equipment in Nuclear Power Plants	Shubenko Olexander L.	Institute for Problems of Machine Building Kharkiv	223 443						0	US:1 EU:2
808	Decision Support System in Agricultural Production for Radiation, Post-Accident Conditions	Prister Borys	Ukrainian Institute of Agricultural Radiology Kyiv	196 610						0	EU:1,3 US:1
837	Development of a System for a New Generation of High Voltage Digital AC Bridges for Determining Electrotechnical and Electric Power Equipment and Insulation Parameters	Tuchin Robert	Rostok-Impedance Ltd. Kyiv	105 200						0	US:2 EU:2
839	Discrete Simulation of Dynamic State of Complex Deformable Spatial Structures and Elaboration of Technical Means for Their Control	Dotsenko Pavlo D.	"Kharkiv Aviation Institute" State Space University Kharkiv	150 000						0	US:2 EU:2
852	Fulfillment of Scientific Research of Hydrodynamic Capillary Flows and Development on This Base the Technical Systems for National Economy	Makarova Alla S.	Dnipropetrovsk State University Dnipropetrovsk	128 530						0	US:2 EU:2
857	Development of Equipment for Developing Low-Power Self-Contained Electric Power Systems Based on Air-Magnesium Power Sources and Double-Layered Super Capacitors	Murashov Olexander G.	"Sonar" Research Center of Biotechnological Systems Kyiv	211 260						0	US:2 EU:2

- 1. Review Incomplete - Consideration Deferred
- 2. Reviews Complete - No Willingness to Fund
- 3. Rewrite/Resubmit - See Comments
- 4. Other - See Comments
- 5. - Funding Party's Collaborator Required

STCU PROJECT FUNDING TABLE  
9th Governing Board Meeting, December 15, 1999

16.12.999.49

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (EURO)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
866	Investigation of the Effect of the Low Intensity Ionizing Radiation on the Physico-Chemical Properties and Functional Characteristics of Biological Structures	Tovstiak Volodymyr V.	Kharkiv State University Kharkiv	140 440						0	EU:2
872	Design and Manufacturing of Experimental Specimens of Electron Heat-Generators with Power of up to 30 kW for Stable Long Term Heating of Gases up to Temperature 2000 K	Bidnyak Leonid G.	"Pivdenne" State Design Office Dnipropetrovsk	200 000						0	US:1 EU:2
879	Investigation of RF Discharge Plasma Properties and Its Confinement in the Uragan-3M Torsatron Fusion Technology	Volkov Eugenij D.	Institute of Plasma Physics Kharkiv	227 590						0	US:1 EU:2
933	Transitional Process Calculation of Asynchronous Bit Parallel Switching Circuits with Feedback Software	Skurikhin Volodymyr I.	International Information Technologies and Systems Research and Training Center Kyiv	25 290						0	US:1 EU:2
934	The Self-Consistent Method of Calculation of the H-Type Accelerating Structure with the Alternating-Phase Focusing in the Regime of High Current	Prijmennko Sergij D.	Institute of Plasma Electronics and New Methods of Acceleration of the "Kharkiv Institute of Physics and Technology" National Scientific Center Kharkiv	71 885						0	US:1 EU:1
947	Radio System for Control of an Operator's Capacity for Work	Vyazmitinov Igor A.	Institute for Radiophysics and Electronics Kharkiv	164 880						0	US:1 EU:2
948	Radar for Rescue Efforts - Searching for People Behind Obstacles	Vyazmitinov Igor A.	Institute of Radiophysics and Electronics Kharkiv	156 265						0	US:2 EU:2
959	Vacuum-Plasma Hardening of Materials for Constructions and Formation of Functional Layers with the Using of Activation of Hydrogen Isotopes by Hydride Forming Compounds	Borisko Volodymyr M.	Kharkiv State University Kharkiv	192 460						0	US:1 EU:2
962	Development of Novel Heat Exchangers with Enhanced Heat Transfer Formed by Cavities for Single Phase and Boiling Heat Transfer	Kovalenko Gleb V.	Institute of Engineering Thermophysics Kyiv	70 000						0	US:1 EU:2
965	Development of Radio-Physical Methods of Remote Detection of Industrial Pollution of Marine Territories	Tourgenev Ivan S.	Institute of Radio-Physics & Electronics Kharkiv	89 774						0	US:2 EU:2
970	Creation of a Measuring-and Data Processing System for In-service Monitoring of the Strength of Large-scale Structures	Lyashenko Boris	Institute for Problems of Strength of the National Academy of Sciences of Ukraine Kyiv	132 006						0	US:2 EU:2
971	Development of Radically New Coatings and Materials with Enhanced Serviceability	Lyashenko Borys A.	Institute for Problems of Strength Kyiv	171 000						0	US:1 EU:2
972	Development of Industrial and Domestic Electrical Heating Devices Based on Forced Heat Exchange	Lyashenko Boris	Institute for Problems of Strength of the National Academy of Sciences of Ukraine Kyiv	150 000						0	US:1 EU:2

- 1 Review Incomplete - Consideration Deferred
2. Reviews Complete - No Willingness to Fund
3. Rewrite/Resubmit - See Comments
4. Other - See Comments
5. - Funding Party's Collaborator Required

STCU PROJECT FUNDING TABLE  
9th Governing Board Meeting, December 15, 1999

16.12.999:49

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (EURO)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
973	Investigation of Methods and Means of Spatio-Temporal Processing of Field of Scattered and Self Thermal Radio Radiation of Earth Surfaces and Atmosphere in Active-Passive Radio Systems of the Ecological and Biological Monitoring	Volosyuk Valery K.	Kharkiv Aviation Institute Kharkiv	194 000						0	US:2 EU:2
974	Investigation of Methods and Means for Remote Subsurface Mediums Exploration, Which Have Increased or High Penetrability for Radio Waves	Volosyuk Valerij K.	Kharkiv Aviation Institute Kharkiv	67 470						0	US:1 EU:1
977	Design and Creation of Acting Miniature Solid-State Laser Samples for Laser Monitoring Systems Acting Under High Thermal and Radiation Effect Conditions	Nedilko Sergij G.	Kyiv Taras Shevchenko University Kyiv	60 900						0	US:2 EU:2
982	Elaboration of Physical Principles of the Nanotechnology for Producing of a New Generation of Micro-Surgical Instruments	Mazilova Tatjana I.	"Kharkiv Institut for Physics and Technology" National Scientific Center Kharkiv	175 148						0	US:2 EU:2
985	The Development of Technology and Equipment for Manufacturing of Billets with Composite Wear-Resistant Coating by Means of Electroslag Cladding with Molten Metal and Noncompact Consumables	Nosatov V.	Paton Electric Welding Institute Kyiv	171 050						0	US:2
987	Investigation of Structure and Physical Properties of DNA and Collagen Extracted from Animals Living in Chernobyl Zone	Maleev Volodymyr Ya.	Institute of Radiophysics and Electronics Kharkiv	217 000						0	US:2 EU:2
993	Research of the Behavior of a Flow of Magnetic Liquid with Variable Mass in Strong Highly-Gradient Fields for Separation of Weak Magnetic Biological and Mineral Compounds	Yuferov Volodymyr B.	Institute of Plasma Electronics and New Method of Acceleration, National Scientific Center "Kharkiv Institute of Physics and Technology" Kharkiv	217 884						0	US:2 EU:2
995	Investigation of the Role of Eicosanoid Oxygenase Metabolism, Free Radical Lipid Oxidation, and Biomembrane Structure-Functional State for Response of Immunocompetent Cells to Small Doses of Ionizing Radiation	Zhirnov Victor V.	Institute of Bioorganic Chemistry and Petrochemistry Kyiv	195 000						0	US:2 EU:2
1004	Development of Radically New Composite Catalyst Carriers Based on Nonmetallic Nitrides with Controlled Porous Structure and Predetermined Characteristics for High-Temperature Catalytic Processes	Morozov Igor A.	Institute for Problems of Material Sciences Kyiv	162 932						0	US:2
1010	Development of the Combined Technology Pertaining to the Deep Utilization of Heat and Increasing Ecological Safety of Gas Consuming Boilers and Industrial Units	Slesenko Vasyli I.	Institute of Engineering Thermophysics Kyiv	240 000						0	US:2 EU:2
1016	Development of Medical-Biological Bases and Creation of Equipment for Non-Invasive Diagnostics of Dynamic State of Visual Analyzer by Near Infrared Spectroscopy Methods	Plaksij Yuriy S.	Research Technological Lazer Center (with Pilot Production) Kyiv	98 820						0	US:2 EU:2
1026	Radioactivity Control of "Hot" Particles from Operating Nuclear Power Plants and in Nuclear-Fuel Enterprise Environment	Demchuk Volodymyr V.	Chornobyl Branch of the Ukrainian Hydrometeorological Research Institute Kyiv	155 640						0	US:2 EU:2

1. Review Incomplete - Consideration Deferred
2. Reviews Complete - No Willingness to Fund
3. Rewrite/Resubmit - See Comments
4. Other - See Comments
5. - Funding Party's Collaborator Required



STCU PROJECT FUNDING TABLE  
9th Governing Board Meeting, December 15, 1999

16.12.999-49

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (EURO)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
1027	Development of New Technologies of Welding, Surfacing and Surface Heat Treatment on the Basis of Investigation of a High-Current Arc with the Transverse Alternating Low-Frequency Magnetic Field	Lebedev Volodymyr K.	Paton Electric Welding Institute Kyiv	94 490						0	US:1 EU:2
1030	Monochromatic X-Ray Locator for Control of Nuclear Materials Nonproliferation	Shchagin Olexander V.	"Kharkiv Institute for Physics and Technology" National Scientific Center Kharkiv	84 855	84 855					84 855	US:5 EU:2
1036	Construction of a Series of Bipolar Integral Circuits for Sensor and Measurement Equipment Based on an Analogue Basis Matrix Crystal	Politanskij Leonid F.	"Ruta" Special Department, Lviv Research Radio and Technical Institute Chernivtsi	115 000						0	US:1 EU:2
1037	Construction of Solid-State Integral Semiconductor Relays	Politanskij Leonid F.	"Ruta" Special Design Department Chernivtsi	60 000						0	US:2 EU:2
1039	Production of Dense Diamond Polycrystals with Improved Physical-Mechanical Properties	Bykov Olexander I.	Institute for Problems of Material Science Kyiv	137 636						0	US:2 EU:2
1041	Development of Technological Basis for Intermetallic Hydrogen Accumulators Production with Improved Sorption Properties	Morozov Igor A.	Institute for Problems of Material Sciences Kyiv	240 418						0	US:2 EU:2
1043	Information and Analytical System of the Rational Use of the Energy Resources in a Territory Unit Using the Renewable Energy Sources	Chaplinsky Yuriy	Ukrainian Branch of International Centre for Scientific Culture Kyiv	81 280						0	US:1 EU:2
1048	Creation of an Automated System for Supporting the Proper Microclimate Necessary for Cultivation of Spirulina	Pozen Mykola L.	"Ukranalyt" Joint-Stock Company Kyiv	150 000						0	US:2 EU:2
1050	Development of the Electro-Pulse Technological System for Water Purification and Desinfection	Sucherba Anatoly A.	Institute of Electrodynamics Kyiv	167 100						0	EU:2
1054	The Development of the Vacuum-Plasma Methods of Obtaining of Thin-Film Materials of High-Temperature Solid Oxide Fuel Cells for Electrochemical Transformers of Energy	Sagalovych Vladyslav V.	Institute for Applied Physics Sumy	300 000						0	US:2
1058	The Development of Radiation Technology of Electret Production	Gofman Yury I.	Kharkiv State University Kharkiv	148 000						0	US:1 EU:2
1061	Development and Implementation of Automatic Design Systems for Design and Investigation of Stamps and Molds with the Aim of Speeding Up on CAD/CAM/CAE Systems	Zoltkevich Grygorij M.	Kharkiv Science and Research Institute of Machine-Building Technology Kharkiv	82 100						0	US:1 EU:2
1064	Development of the Methods for Calculating and Research and the Systems of Complex Objects' behavior researching on the Base of the Finite Element Method and Holographic Interferometry	Tkachuk Mykola A.	Kharkiv State Plytechnic University Kharkiv	81 000						0	US:2 EU:2
1072	Development of New Theoretical Approaches, More Perfect Methods and Compact Set Up for Quantitative Analysis of Hydrogen in Metals	Morozov Olexander M.	"Kharkiv Institute of Physics and Technology" National Scientific Center Kharkiv	88 825						0	EU:2
1082	Development of Cr-Based Resistive Alloys for Thin Films Resistive Elements	Butylenko Oleksiy K.	Institute of Magnetism Kyiv	69 100						0	US:2 EU:2

- 1 Review Incomplete - Consideration Deferred
- 2. Reviews Complete - No Willingness to Fund
- 3. Rewrite/Resubmit - See Comments
- 4. Other - See Comments
- 5. - Funding Party's Collaborator Required

STCU PROJECT FUNDING TABLE  
 10th Governing Board Meeting, December 15, 1999

16.12.999:49

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (EURO)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
1084	Research and Development of Methods and Control Systems of Mobile Objects by the Information of Radio Navigational Fields in Interest of National Economy	Dranovskij Volodymyr J.	"Pivdenne" State Design Office Dnipropetrovsk	248 202						0	US:2 EU:2
1085	Development of Biotechnology for Cleaning of Air, Water, and Soil from Metals and Metal Salts Using Microbial Polymers and Searching for Their New Applications	Bagnyuk Valentyn M.	Institute of Botany Kyiv	167 390						0	US:2 EU:2
1086	Synthesis And Electrophysical Properties Of Hetero-Substituted Perovskites With Extraordinary High Change Of Electroresistance And Sensitive Elements On Base Of Them	Pogorily Anatoly M.	Institute of Magnetism Kyiv	159 000	159 000					159 000	US:5 EU:2
1088	Physical substantiation and Development of the Industrial Technology of Low-Cost Efficient Large-Scale Solar Cells Based on II-VI Semiconductor Compounds	Pekar Grigory S.	Institute of Semiconductor Physics Kyiv	134 000	134 000					134 000	US:5 EU:2
1091	Natural Water Pollution Monitoring Device	Klochko Olexander I.	"Arsenal" Central Design Office Kyiv	159 753						0	US:2 EU:2
1093	Elaboration of Apparatus Complex for a Laboratory of Food Production Industry Output Ecological Control	Brodovy Volodymyr A.	Kyiv Taras Shevchenko University Kyiv	179 382						0	US:2 EU:2
1098	Monitoring and Multipurpose Ecological and Geochemical Mapping of Polluted Regions	Pushkarev Olexander V.	State Scientific Center of Environmental Radiochemistry Kyiv	170 250						0	US:2 EU:1
1107	Development and Creation of Universal Program Complex for Engineering Calculation of Dose y-field from Container and Storage of Radioactive Waste	Voloschuk Victor J.	High Energy and Nuclear Physics Institute, National Scientific Center "Kharkiv Institute of Physics and Technology" Kharkiv	66 000						0	US:2 EU:2
1112	Microwave Discharges at Surface Waves and Elaboration of Equipment and Technologies for Processing of Materials	Azarenkov Mykola O.	Kharkiv State University Kharkiv	178 611	178 611					178 611	US:5 EU:2
1126	Development and Preparation for Introducing of High-Effective Semiconductor Energy Converters	Gorley Petro M.	Chernivtsi State University Chernivtsi	217 390						0	US:2 EU:2
1128	Mastering of Microlaser Technology and Manufacturing	Solovjov Valentyn	"Metrology" State Scientific Industrial Association Kharkiv	132 101						0	US:2 EU:2
1132	Development of a Hydrovibrator for Vibro-Rotary Well Drilling	Man'ko Ivan K.	Institute of Technical Mechanics Dnipropetrovsk	180 000						0	US:2 EU:2
1133	Development of Cavitation-Pulsation Plant for Suspension Dispersion	Man'ko Ivan K.	Institute of Technical Mechanics Dnipropetrovsk	180 000						0	US:1
1134	Estimation of the Competitive Capability of Space Launch Systems and Satellite Systems by Multiatribute Comparative Analysis	Doroshkevich Volodymyr K.	Institute of Technical Mechanics Dnipropetrovsk	55 860						0	US:1 EU:2
1140	Working Out New Blast Tuyere Devices for Blast Furnaces Providing Increased Coefficient of Replacement of Coke with Natural Gas	Kivalenko Mykola	Institute of Technical Mechanics Dnipropetrovsk	120 000						0	US:2 EU:2
1141	The Development of New Types of Combined Blast Nozzle Devices for the Converter Smelting of a High-Quality Steel	Kivalenko Mykola	Institute of Technical Mechanics Dnipropetrovsk	120 000						0	US:2 EU:2

1. Review Incomplete - Consideration Deferred
2. Reviews Complete - No Willingness to Fund
3. Rewrite/Resubmit - See Comments
4. Other - See Comments
5. - Funding Party's Collaborator Required

STCU PROJECT FUNDING TABLE  
9th Governing Board Meeting, December 15, 1999

16.12.999:49

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (EURO)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
1142	Numerical Simulation and Experimental Investigation of Effective Molecular Scattering Cross Sections	Bass Valentyn P.	Institute of Technical Mechanics Dnipropetrovsk	210 000						0	US:1 EU:1
1143	Working Out a Programs for Computer Simulation and Optimal Control of Horizontal Axis Wind Turbines (HAWTs) Considering Real Operation and Site Conditions	Kivalenko Mykola	Institute of Technical Mechanics Dnipropetrovsk	52 000						0	US:2 EU:2
1156	Study of Isotope Metabolism in the Cellular Structures of Higher Animals and Man in Order to Develop Clinical Diagnostics	Bondarenko German N.	State Scientific Center of Environmental Radiogeochemistry Kyiv	216 000						0	US:1 EU:2
1163	Development of Methods and Equipment for Measurements of the Fresh Fuel Enrichment and Spent Fuel Burn Up for Research Reactor	Gavrilyuk Victor I.	Institute for Nuclear Research Scientific Center Kyiv	131 460						0	US:2 EU:2
1164	Systems of Communication with Traffic Capacity Close to Shannon Limit	Konovalov Volodymyr	Institute of Radiophysics and Electronics, Special Design-Technological Bureau with Pilot Production) Kharkiv	150 630						0	US:1 EU:2
1168	Development of Concepts and Instrumentation for Optical Refractive Tomography	Molebny Vasyl' V.	Institute of Biomedical Engineering Kyiv	198 700						0	EU:2
1183	Electromembrane Technological Process Investigation and Autonomous Pilot-Plant Device of Water Desalination Design for Civil Needs	Belyakov Volodymyr M.	Institute of General and Inorganic Chemistry Kyiv	158 865						0	US:1 EU:2
1194	Development of the Theoretical Bases, High-Effective Technological Processes of Manufacture and Methods of Quality Control of Thin Sheet Roll Steel of the XXI Century	Safjan Olexander M.	Iron and Steel Institute Dnipropetrovsk	130 000			130 000	129 007		130 000	US:2 EU:4
1203	Development of Methods and Techniques for Technological Processes of Military Equipment Conversion Parameters Measurements Metrological Assurance	Krichevets Olexander M.	"Systema" State Scientific-Research Institute Lviv	196 767						0	US:2 EU:2
1214	Development of a Low Frequency Ultrasonic Apparatus for Treatment of Diseases in Pulmonology and Cardiology, Code "Araliya"	Kolomatsky Yury	"Electronic Company "EMM" Ltd. Kyiv	180 650						0	US:2 EU:2
1217	Model for the Water-Chemical Regime of the Heat-Carrier in the 1st Loop of a VVER-1000 Nuclear Power Station	Eremenko Valentyn V.	Institute of Low Temperature Physics and Engineering Kharkiv	53 300						0	US:1 EU:2
1219	Integrated Geological and Technical-Economical Investigations Aimed at the "Shelter" Object of ChNPP Deep Disposal and at Creation of the Centralized Repository for Radioactive Waste within the Chernobyl Exclusion Zone	Koval' Vadym B.	State Scientific Center of Radiogeochemistry Kyiv	213 600						0	US:2 EU:2
1222	Developing the Intelligent Sensors on the Basis of the New Information Transformation Principles and Microsystem Technologies	Yatsenko Vitaly A.	Scientific Foundation of Scientists and Specialists on Molecular Cybernetics and Informatics (FMCI) Kyiv	171 320						0	US:2 EU:2
1225	Using of Natural Thermal Fluctuations in Renew Power Sources	Pasechnik Lidia	Applied Electric Institute of the National Technical University "KPI" Kyiv	65 100						0	US:2 EU:1

- 1. Review Incomplete - Consideration Deferred
- 2. Reviews Complete - No Willingness to Fund
- 3. Rewrite/Resubmit - See Comments
- 4. Other - See Comments
- 5. - Funding Party's Collaborator Required



STCU PROJECT FUNDING TABLE  
9th Governing Board Meeting, December 15, 1999

16.12.999-49

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (EURO)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
1226	Development of the Scientific Approaches and Technologies of Dynamic Micro-Alloying of Metal Materials by a High-Speed Particle Flow with Use of Super-Deep Penetration Effect	Pidgorny Anatolij M.	"PIVDENNE" State Design Bureau Dnipropetrovsk.	172 841						0	US:1 EU:2
1237	The Development of Technical Requirements to Metallic Materials and Necessary Protection Methods of Equipment, Located in the Ecologically Sensitive Regions for the Exploitation in Oil and Natural Gas, Containing Various Concentrations H <sub>2</sub> S	Radkevych Olexander	Institute of Physics and Mechanics Lviv	150 000						0	US:2 EU:2
1239	Researches of Adaptive Structures	Isakov Sergey N.	Kharkiv State Politechnical University Kharkiv	212 000						0	US:2 EU:2
1249	Development of Degradation-Proof High Power Semiconductor Heterolasers Based on Heterostructure AlGaAs Obtained by the LPE Method from Ga-Bi Melts	Krukovskij Semen I.	"Carat" Scientific Research Company Lviv	130 000						0	US:1 EU:1
1251	Cooling the Rolls During Hot Rolling	Saltavets Vilyam I.	Kharkiv Branch of Technological Science Academy Kharkiv	70 140	70 140					70 140	US:5 EU:2
1261	Development of Basic Technology of Flash-Butt Welding of Large-Sized Structures of Aluminium Alloys	Kuchyk-Yatsenko Sergij I.	Paton Electric Welding Institute Kyiv	200 393						0	US:2 EU:2
1272	Graphic Interface Software for Design Analysis and Simulation of Environmental Control Systems of Passenger and Transport Airlines	Kondrashenko Volodymyr Y.	Institute of Problems of Simulation in Power Engineering Kyiv	77 475						0	US:2 EU:2
1275	The Development of an Automatic Control System for the Process of Arc Welding of Aluminum Alloy Capacities and of Food Stainless Steel	Kisselivsky Felix M.	Paton Electric Welding Institute Kyiv	309 950						0	US:2 EU:2
1281	Multifunctional Radiating Systems and VHF Devices of Arbitrary and Operating Polarization	Katrich Victor O.	Kharkiv State University Kharkiv	97 000						0	US:2 EU:2
1282	A Study of Pollution with Radioactive (U, Ra, Th) and Toxic (Hg, As, Tl, Cd) Elements in the Areas of Extraction and Mineral Processing (Ores, Oil, and Coal)	Shumlyanskij Vladyslav O.	Institute of Fundamental Studies Kyiv	120 000	27 000	6 000	27 000	26 794		60 000	US:4,5 CANADA:4,5 EU:4,5
1284	Development of Technology and Devices for Electromagnetic Purification Processing of Water	Kuzema Olexander S.	Institute of Surface Chemistry Kyiv	63 800						0	US:2 EU:2
1287	Development of the Technology for Manufacturing High-Temperature Thermocouples Based on Refractory Metal Alloys	Bolshakov Michael V.	"Lviv Polytechnic" State University Lviv	175 000						0	US:2
1292	The Development of High-Effective Methods, Automatized Computer System and Microprocessor Devices for Radiowave Diagnostics of Multilayers Materials	Lyashchuk Oleg B.	Physico-Mechanical Institute Lviv	175 858	158 273	17 585				175 858	US:5 CANADA:5 EU:1
1303	The Problems of Rigid and Elastic Body Interaction with Liquid and gas; Application to Modern Technologies	Skrypnyk Igor V.	Institute of Applied Mathematics and Mechanics Donetsk	140 684						0	US:2 EU:2
1304	Development of the Process of Producing Materials Based on Non-Metallic High-Melting Compounds and Studying Their Properties	Kazakov Valentyn K.	"Electronagrivach" Open Joint-Stock Company Kyiv	100 000						0	US:2 EU:2

1. Review Incomplete - Consideration Deferred
2. Reviews Complete - No Willingness to Fund
3. Rewrite/Resubmit - See Comments
4. Other - See Comments
5. - Funding Party's Collaborator Required

STCU PROJECT FUNDING TABLE  
9th Governing Board Meeting, December 15, 1999

16.12.999:49

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (EURO)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
1309	Development of New Ionizing-Radiation Detectors and of New Design Principles of Radiation Monitoring Equipment Based on Semiconductor Structures with Active Areas Induced by Electric Field	Gorban' Anatolij P.	Institute of Semiconductor Physics Kyiv	197 500						0	US:2 EU:2
1310	Synthesis and Utilization of Adamantane Derivatives, Cage and Polycyclic Compounds, Triterpenes, Subarin, Tall Acids for Resistant to Wear Films Formation on the Friction Surface of Metal and Metal Ceramics in High Thermostable Medium	Golovko Leonid V.	Institute of Bioorganic Chemistry and Petrochemistry Kyiv	199 745	199 745					199 745	US:5 EU:1
1313	Development of the Newest Technique of ECL Analysis for Biomedical and Ecological Systems	Bykh Anatoly I.	Kharkiv State Technical University of Radio Electronics Kharkiv	161 400						0	US:2 EU:2
1319	Working Out Methods for Determining Material Durability to Space Environment	Potapov Olexander M.	"Pivdenne" State Design Office Dnipropetrovsk	249 878						0	US:2 EU:2
1320	The Multifunctional Foam-Aerosol Apparatuses	Balitski Ivan P.	"Pivdenne" State Design Office Dnipropetrovsk	176 540						0	US:2 EU:2
1332	Investigation of Discrete Multicriteria Problems Under Uncertainty	Perepelitsa Vitaly O.	Zaporizhzhja State University Zaporizhzhja	90 000						0	US:1 EU:2
1334	Development of the Approaches to Definition of Inventory and Criticality of Fissile Material Inside Unit 4 of the Chernobyl Nuclear Power Plant	Gorbachev Borys I.	"SHELTER" Interdisciplinary Scientific and Technical Center Chornobyl	110 320						0	US:1
1345	Technical Project Design of a Pilot-Production Combined Continuous Mandrel Mill /CCMM/ for Realization of New Resources Saving Technology for Combined Continuous Seamless Tube Rolling Process /CCRP/	Loskutov Petro A.	State Tube Institute Dnipropetrovsk	121 780	121 780					121 780	US:5 EU:2
1350	Development and Manufacture of a Medical Treatment Ward to Insure Protection of a Patient from Environmental Factors	Stanislav Bondarenko	Special R&D Bureau in Cryogenic Technologies of Institute for Low Temperature Physics & Engineering at the NASU Kharkiv	160 000						0	US:1 EU:2
1351	The Investigation of Membrane Ion Transport for Artificial Membranes and Living Cell Membranes in Weak Magnetic, Electrical, and Gravitational Fields	Bogatina Nina I.	Special Research and Development Bureau for Cryogenic Technologies of Pilot Plant of Institute for Low Temperature Physics and Engineering Kharkiv	100 000						0	US:2 EU:2
1355	Development Program of Quality Assurance in Radiotherapy for Oncological Hospitals	Gavrilenko Maria F.	Ukrainian Research Institute of Oncology and Radiology Kyiv	129 480			100 000	99 236		100 000	US:2 EU:4,5
1358	Super Large Profiled Monocrystals of Refractory Metals (Sizes 20x140x170 mm and More)	Latash Yuriy V.	Paton Electric Welding Institute Kyiv	232 334	232 334					232 334	US:4,5 EU:2
1369	Theoretical and Experimental Research into Plasma Heating and Steady Current Drive in Magnetically Confined Plasma by Electromagnetic Waves	Stepanov Kostyantyn M.	"Kharkiv Institute for Physics and Technology" National Scientific Center Kharkiv	149 630						0	US:2 EU:2

1. Review Incomplete - Consideration Deferred
2. Reviews Complete - No Willingness to Fund
3. Rewrite/Resubmit - See Comments
4. Other - See Comments
5. - Funding Party's Collaborator Required

STCU PROJECT FUNDING TABLE  
9th Governing Board Meeting, December 15, 1999

16.12.999:49

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (EURO)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
1370	Development of Methods and Means of Diagnostics and Synthesis of Pulsed Plasma Streams for Plasma-Chemical Systems, Technologies and Other Technical Applications	Shuvalov Valentyn O.	Institute of Technical Mechanics Dnipropetrovsk	98 000						0	US:2 EU:2
1371	Ecological Equipment	Bondarenko Vitalij	"Southern Machine-Building Plant" Production Association Dnipropetrovsk	181 500						0	US:1 EU:2
1374	The Development of the Scientific and Technological Bases of New Generation Steels & Alloys Creation Basing on Their Untraditional Alloying Conception	Prihod'ko Eduard V.	"Southern Machine-Building Plant" Production Association Dnipropetrovsk	156 020						0	US:2 EU:2
1379	Development and Investigation of Supersonic Combined Fuel-Arc Thermo-Abrasive Device for High-Effective Cutting of Large Thickness Metals	Uryukov Borys	Institute for Problems of Material Sciences Kyiv	200 000						0	US:1 EU:2
1381	Production of Energy by Emitting of Heat	Ksenzhek Octavian S.	Southern Machine-Building Plant Dnipropetrovsk	98 000						0	US:1 EU:2
1386	Design and Engineering Research, Development of Design Drawings and Manufacture of Space Launch Vehicle Multipurpose Nose Fairing Research Module in the Interests of Commercial Programs	Romanyuta Anatolij O.	"Pivdenne" State Design Office Dnipropetrovsk	176 500						0	US:2 EU:2
1388	Development of Mobile Electric Turbo Generator Plant	Gorileichenko Yuriy B.	"Pivdenne" State Design Office Dnipropetrovsk	198 800						0	US:1 EU:2
1389	Development of Science Technical Proposals for Production of Advanced High Power (0,5-1,0MW) Wind-Driven Electric Plant with Basing on the Floating Platforms and Ground Basing for Conditions of Ukraine	Kushnir Borys	"Pivdenne" State Design Office Dnipropetrovsk	185 970						0	US:2 EU:2
1396	Scientific and Technical Basis for Chernobyl NPP Radioactive Waste Disposal in Deep Boreholes Completed in the Korosteny Crystalline Massif	Shestopalov Viacheslav M.	Radioecological Center Kyiv	411 320			200 000	198 472		200 000	US:1 EU:4,5
1400	Microwave Biostimulation, Disinfection and Disinsection of Seeds Technology	Kalinin Lev G.	"Storm" Scientific-Research Institute Odessa	176 170	158 553	17 617				176 170	US:5 CANADA:5 EU:2
1409	Dynamics of Nonlinear Interactions of Periodically Symmetrical Electron Beams with Electromagnetic Fields as the Basis for Creation of Electron Devices of a New Generation	Bulgakov Olexij O.	Institute of Radiophysics and Electronics Kharkiv	123 540						0	US:2 EU:2
1416	Development of Ultra Low Volume Dispersion Machine for the Protection of Plants in Agriculture by Using of Ultralights	Korkatch Anatolij	"Quasar" Research Firm Dnipropetrovsk	36 850						0	US:2 EU:2
1418	Theoretical Investigation and Engineering Development of Special Composite Materials for Protection of Human from Dangerous Electromagnetic and Acoustic Radiation	Kuptsov Valerij I.	Special Design and Technology Office with Pilot Production of Composite Materials of Institute of Mechanics Kyiv	100 000						0	EU:2
1419	The Elaboration of Preparations for Express Diagnosis and New Interferon Inducer for Urgent Prophylactics and Treatment of Particularly Dangerous Infections Diseases	Vynograd Ivan A.	Lviv Research Institute of Epidemiology and Hygiene Lviv	217 000						0	US:2 EU:2

1. Review Incomplete - Consideration Deferred
2. Reviews Complete - No Willingness to Fund
3. Rewrite/Resubmit - See Comments
4. Other - See Comments
5. - Funding Party's Collaborator Required

STCU PROJECT FUNDING TABLE  
9th Governing Board Meeting, December 15, 1999

16.12.999:49

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (EURO)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
1440	New Semimagnetic Semiconductors: Technology, Physics, Devices	Rarenko Illarij M.	Institute of Radiophysics and Electronics Kharkiv	160 000	160 000					160 000	US:5 EU:2
1445	Onboard System of Acquiring, Processing and Transfer Information for Scientific Space Crafts Designed for Research of Atmosphere and Earth Crust	Lukenjuk Adolf A.	Lviv Center of Institute of Space Research Lviv	196 500						0	US:2 EU:2
1446	Development and Investigation of Multi-Pass Fiber Optics Rotary Joints for Non-Contact Transmission of Information to and from Rotating Equipment	Shapar Volodymyr M.	Institute of Semiconductor Physics Kyiv	162 255						0	US:2 EU:2
1451	Search for New Solutions in Designing and Technology, That Raise Durability, Accuracy and Aesthetics of Dental Prosthesis	Nadein I.	Dental-In" Experimental Dental Laboratory Kyiv	91 375						0	US:2 EU:2
1452	Investigation of Falling to the Earth Uncontrollable Space Objects Break-Up Processes. Prediction of Time and Impact Area	Komarov Vyacheslav G.	Institute of Technical Mechanics Dnipropetrovsk	248 620						0	US:1 EU:2
1453	The Creation of Normative Documents and Technical Demands for Equipment of Detection Plastic and Sheeting Explosive Substances	Dashkovskij Olexander A.	"Ukranalyt" Open Joint Stock Company - Ukrainian Scientific & Research Institute for Analytical Instrumentation Kyiv	96 000						0	US:1 EU:2
1462	Researches of Properties and Interaction Antineutrino with Protons and Deuterons	Tokarevskij Volodymyr V.	"Technocentre" State Specialized Company Kyiv	152 000						0	US:2 EU:2
1465	Development of Lithium Power Sources Neutralization and Recovery Technology	Frolov Victor P.	"Pivdenne" State Design Office Dnipropetrovsk	190 480						0	US:1 EU:1
1474	Development of Apparatus-Methodical Complex for Dynamic Magneto-Prospecting for Oil and Gas Deposits Searching	Lyzoon Stepan-Orest O.	Institute of Geology & Geochemistry of Combustible Minerals Lviv	137 000						0	US:2 EU:1
1479	Elaboration of Scientific Basis and Development of Technology of the Humidity Film Sensors, Fabrication, Organization of Their Production	Pushinskii Yuriy G.	Institute of Physics Kyiv	174 550						0	US:1
1480	Study of Superfluidity of Nuclear Matter, Instability Arising at Nuclear Collision and Slow Nuclear Burning	Akhiezer Olexander I.	"Kharkiv Institute of Physics and Technology" National Scientific Center Kharkiv	106 100						0	US:2
1482	Development of Digitally-Controlled High Speed Generating Means on the Basis of Adjustable Integrated Oscillatory Circuits	Ivaschuk Anatolij V.	The State Scientific-Technical Enterprise "The Base Center GaAs Devices Technology "SATURN-GALAR" Kyiv	350 000						0	US:1
1495	Development and Manufacture of the Self-Propelled Invalid Carriage with Expanded Useabilities	Solomakha Petro D.	"Pivdenne" State Design Office Dnipropetrovsk	237 000						0	US:1 EU:2
1496	Scientific Investigation and Development of Newest Technology for Creation Silicon Matrix Structures as well as Devices on It's Base	Gonchar Mykhailo	Zaporizhsky Peretvoruvach Plant Zaporizhzhia	231 640						0	US:1 EU:2
1497	Research for Development and Manufacture of the Experimental Sample of the Self-Propelled Platform with Three Degrees of Freedom of Motion	Dorozhko Olexandr I.	"Pivdenne" State Design Office Dnipropetrovsk	196 150						0	US:1 EU:2

1. Review Incomplete - Consideration Deferred
2. Reviews Complete - No Willingness to Fund
3. Rewrite/Resubmit - See Comments
4. Other - See Comments
5. - Funding Party's Collaborator Required



STCU PROJECT FUNDING TABLE  
9th Governing Board Meeting, December 15, 1999

16.12.999:49

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (EURO)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
1498	Problems of Microscopic Analysis, Reconstruction, and Synthesis of Media with Complex Microstructure	Khruslov Eugenij	Institute for Low Temperature Physics and Engineering Kharkiv	48 170						0	US:1 EU:2
1523	Instrument, Method and Computer Program for Environment Express- Monitoring of Heterogeneous Admixtures Diffusion around Enterprises	Repukhov Volodymyr	Institute of Engineering Thermophysics National Academy of Sciences of Ukraine Kyiv	89 550						0	US:2 EU:2
1525	N,N-Dimethylhydrazine Utilization	Ranskij Anatolij P.	Southern Machine-Building Plant Dnipropetrovsk	190 138						0	US:2 EU:2
1536	Development of Physical Methods of Creation of New Types of Highly Sensitive Sensors Based on Structures with Weak Link	Syrkin Eugene S.	Institute for Low Temperature Physics and Engineering Kharkiv	116 645						0	US:2 EU:2
1538	Research and Elaboration of Cryogenic Equipment for Prophylaxis and Treatment of Oncological Diseases During the Post-Chernobyl Period	Mostitsky Andriy	"Dnipro-MTO" Science and Engineering Company Kyiv	162 062						0	US:2 EU:2
1542	Technology of Magnetically-Controlled Electroslag Melting of High-Alloyed Titanium Alloys to Improve their Service Life and Reliability in Civil Machine-Building Application	Kompan Yaroslav Yu.	Paton Electric Welding Institute Kyiv	165 000	156 750	8 250				165 000	US:5 CANADA:5 EU:1
1547	Diagnosis of the Pollution Transport within Inland Seas Using Satellite Data	Demyshev Sergij G.	Marine Hydrophysical Institute Sevastopol	109 549							US:2 EU:2
1554	Development of New Cold-Resistant and Corrosion-Resistant Steels and Alloys Through the Control of Grain Sizes and Grain Boundary Purity for Use in Offshore Rigs and in Main Gas and Oil Pipelines	Trotsan Anatoly I.	Institute for Problems of Material Sciences Kyiv	81 642	81 642					81 642	US:5 EU:2
1556	Technology and Equipment for the Control of Environmental Factors on Population Health, Ecological Safety and Biological Productivity in Ukraine	Smertenko Petro	Institute of Semiconductor Physics of the National Academy of Sciences of Ukraine Kyiv	207 200						0	US:1 EU:2
1558	Development of Throttle Bottle Cryodestructors in Low-Temperature Gaseous Working Mediums for Medical Objectives	Molodyk Anatolij V.	"Arsenal" Central Design Office Kyiv	94 520						0	EU:2
1559	Development of Portable Analyzer for Admixtures of Unsymmetrical Dimethylhydrazine in Environmental Objects	Dominkyan Halyna	"Sensor" Ukrainian Scientific and Technical Center Cherkassy	112 240						0	US:2 EU:2
1561	Development of Professional and Household Dosimeters for UV and Visible Biologically Active Ranges of Solar Radiation	Ryzhikov Volodymyr D.	Scientific and Technological Center for Radiation Instruments of "Institute for Single Crystals" Scientific & Technological Concern Kharkiv	139 000						0	US:1 EU:1
1566	Development of Ecological Criteria for Natural Ecosystem with the Application of Modern Informational Technologies	Kataevsky Yuriy F.	"Institute for Nuclear Research" Science Center (Ukraine); Scientific-Research Trial Center of Radiation Safety of Space Objects (Russia) Kyiv / Moscow	136 730						0	US:1 EU:2
1567	Development and Set Up of Anaerobic Complex for Processing and Utilization of Livestock Wastes	Panfilov Valerij M.	"Pivdenne" State Design Office Dnipropetrovsk	200 000						0	US:2 EU:1

1. Review Incomplete - Consideration Deferred
2. Reviews Complete - No Willingness to Fund
3. Rewrite/Resubmit - See Comments
4. Other - See Comments
5. - Funding Party's Collaborator Required



STCU PROJECT FUNDING TABLE  
9th Governing Board Meeting, December 15, 1999

16.12.999:49

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (EURO)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
1569	Development of the Collective Ion Accelerator Based on Plasma Vircator and Periodic Magnetic Field	Onishchenko Ivan M.	"Kharkiv Institute for Physics and Technology" National Scientific Center Kharkiv	100 000						0	US:1 EU:2
1576	Development of Mechanical Activation of Alloy Formation Process in Ni-Mo Powder Mixtures and Experimental Technology of Producing Pipe Products	Firstov Sergij	Institute for Problems of Material Sciences Kyiv	165 990						0	US:1 EU:2
1580	Investigation and Development of Ecological Clean Methods of Hip-Treatment Based on Closed Work-Gas Cycle for Encapsulating the RBMK Spent Fuel in Glass-Ceramic Protective Forms	Sayenko Sergey Yu.	"Kharkiv Institute for Physics and Technology" National Scientific Center Kharkiv	180 000	180 000					180 000	US:5 EU:2
1582	Development of a Process for Improved Welding of Titanium under Field Conditions Using Filler Flux-Cored Wire	Zamkov Vadym M.	Paton Electric Welding Institute Kyiv	95 210						0	US:2 EU:2
1583	New Crystal Active Media for Miniature Solid-State Lasers	Tsymbal Lyudmyla	Donetsk Institute for Physics and Technology Donetsk	108 900						0	US:1 EU:2
1584	Methods and Equipment for Applying Corrosion-Resistant Solvent-Free Polymer Coatings to Pipes	Gudramovich Vadim S.	Institute of Technical Mechanics Dnipropetrovsk	152 000						0	US:1 EU:1,3
1585	Systems for Local Real-Time Scale Comparative Colorimetry in Dentistry	Pekarik Olexander S.	"Technology" Research and Development Company Vyshneve, Kyiv Region	126 436						0	US:1 EU:2
1586	Development of Materials and Design of Ceramic Filters and Catalytic After-Burners for Combustion Engines	Pavlikov Victor M.	Institute for Problems of Material Sciences Kyiv	142 032						0	US:1 EU:1
1588	Explosive Methods for Intensification of Geotechnological Processes Based on Rock Dilatancy	Mykhayuk Alfred V.	Institute of Geophysics Kyiv	108 862						0	US:1 EU:2
1589	Gas Analysis Device Purposed for Malfunction Diagnosis of High Voltage Transformers	Maksymovych Nelly P.	Institute for Applied Problems in Physics and Biophysics Kyiv	159 828						0	US:1 EU:2
1590	Production Technology of a Cheap Module for Solar Batteries Based on Amorphous Semiconductor Materials	Ivashchenko Volodymyr	Institute for Problems of Material Sciences Kyiv	199 805		10 000	90 000	89 312		100 000	US:1 CANADA:5 EU:4,5
1596	Plasma-optical Devices for Manipulating Heavy Ion Beams	Goncharov Olexij A.	Institute of Physics Kyiv	179 982	179 982					179 982	US:5 EU:2
1603	Device for Oxygen Pressure Measurement in Biological Objects	Afanasyeva Valentyna P.	Institute for Applied Problems in Physics and Biophysics Kyiv	166 715						0	US:1 EU:1
1608	High-Strength Shock-Resistant Boron Carbide Ceramics	Tkachenko Yuriy G.	Institute for Problems of Material Sciences Kyiv	148 830						0	US:1 EU:2
1611	New Electric Heating Systems for Rendering Emergency AID	Griffen Leonid	Institute for Problems of Material Sciences Kyiv	199 716						0	US:1 EU:2
1615	Integrated System for Monitoring of the Welding Process and Associated Staff Training	Vasyliiev Vsevolod V.	Department of Hybrid Modeling and Control Systems in Power Engineering Kyiv	148 060						0	US:1 EU:2

- 1 Review Incomplete - Consideration Deferred
2. Reviews Complete - No Willingness to Fund
3. Rewrite/Resubmit - See Comments
4. Other - See Comments
5. - Funding Party's Collaborator Required

STCU PROJECT FUNDING TABLE  
 9th Governing Board Meeting, December 15, 1999

16.12.999:49

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (EURO)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
1617	Hydrogen Generator	Primisky Vladislav P.	"Ukrainian Research and Development Institute of Analytical Instrumentation" Open Joint Stock Company Kyiv	134 640						0	US:2 EU:1,3
1634	Special Methods for Evaluation of the Load-Carrying Capabilities for Ship Facing Extreme Loads	Grigorenko Yaroslav M.	Institute of Mechanics Kyiv	180 000						0	US:1 EU:2
1636	New WEB-Based CAD Framework Design for Complex Technical Systems	Petrenko Anatoly	Informational Resources Research Institute at the National Technical University of Ukraine "Kyiv Polytechnic Institute" Kyiv	185 000						0	US:2 EU:2
1639	Design of the Ecologically Safe Photoelectrochemical Energy Conversion and Storage Systems	Kuzminskij Yuriy V.	Institute of Biocolloidal Chemistry Kyiv	94 260						0	US:2 EU:1
1660	Elaboration of a New Generation of Quality Nickel-Free and Low-Nickel High-Temperature Alloys	Babaskin Yuriy Z.	Physico-Technological Institute of Metals and Alloys Kyiv	185 925						0	US:1 EU:2
1675	Bioheat Transfer Problem and It's Implementation in Software Package	Gafiychuk Vasyl	Institute of Applied Problems of Mechanics and Mathematics Lviv	88 800		8 880	79 920	79 309		88 800	US:1 CANADA:5 EU:5
1676	Fiber Optic Multifunctional Sensors of the Vectors of Transference of Biological Molecules	Demchuk Vasyl I.	Institute of Applied Problems of Mechanics and Mathematics Lviv	148 000						0	US:1 EU:2
1690	Precision Sensors and Pressure Measurement Systems	Mytsyk Bohdan	Lviv Center of the Institute of Space Research Lviv	100 000	45 000	10 000	45 000	44 656		100 000	US:5 CANADA:5 EU:4,5
1747	Dynamic of Earth Materials Treated as Structured Media with Non-Local Features	Vakhnenko Vyacheslav O.	Institute of Geophysics Kyiv	160 615						0	US:1 EU:2
1751	Light Guide Use for the Diagnostics of Electrogenators	Gornostaev Gennadij	Institute for Problems of Material Sciences Kyiv	99 580						0	US:1 EU:2
1825	Growth Regulators and Toxic Metals Accumulation by Crops	Tishchenko Olena M.	Institute of Plant Physiology and Genetics Kyiv	87 780						0	US:1 EU:2
2080	Development of Semiconductor Ceramic Composites Based on Ternary Nickel, Cobalt, Manganese and Copper Spinels	Pekhnyo V.I.	Institute of General and Inorganic Chemistry Kyiv	186 439			186 439	185 014		186 439	US:1 EU:5
2094	Tu-160 Strategic Bombers as Supersonic Airborne Launch Platforms of Commercial Space Vehicles	Safronov Olexander V.	Presidential Commission for National Aviation Policy, Safety and Airspace Utilization in Ukraine Kyiv	235 275						0	US:2 EU:2
2199	Development of the Information Technology for Maritime Safety and Ecological Control in the Black Sea Basin	Mavrenko Nonna I.	State Scientific Research Center for Navigation, Hydrography and Oceanography Sevastopol	96 800						0	US:1 EU:1
2244	Development of a Primary AC Voltage Standard and Primary Electrical Impedance Parameters Standard	Grinevitch Feodisiy B.	Institute of Electrodynamics Kyiv	200 000						0	US:1 EU:1,3

1. Review Incomplete - Consideration Deferred
2. Reviews Complete - No Willingness to Fund
3. Rewrite/Resubmit - See Comments
4. Other - See Comments
5. - Funding Party's Collaborator Required

STCU PROJECT FUNDING TABLE  
9th Governing Board Meeting, December 15, 1999

16.12.999:49

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (EURO)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
2266	Engineering and Research Investigations of Improved Parameters for a Magnetic Microscope	Bondarenko Stanislav I.	Institute for Low Temperature Physics and Engineering Kharkiv	140 000						0	US:1 EU:2
2457	Radiation and Breast Cancer in Ukraine Following the Chernobyl Accident	Romanenko Anatoly	"Poligon" Science, Engineering and Ecological Center Kyiv	125 790						0	US:1 EU:1,3
Gr-06	Investigation of Structural and Wave Turbulence in the Earth's Ionosphere Layers	Litvinenko Leonid N.	Institute of Radio Astronomy (Ukraine) Georgian Technical University (Georgia) Kharkiv / Tbilisi	210 260						0	US:2 EU:2
Gr-08	The Development of Multifunctional Additives for Environmentally Harmless Lubricants	Vasyl'kevych Ivan M.	"Masma" Ukrainian Scientific-Research Institute of Oil Refining Industry (Ukraine); Institute of Pharmacochemistry (Georgia) Kyiv/Tbilisi	300 000						0	US:1 EU:2
Gr-11	Development of a Universal High-Current Power Supply Source	Belov Dmytro	"PIVDENNE" State Design Bureau Dnipropetrovsk	236 000						0	US:1 EU:2
Gr-13	Development of Local Non-Destructive Deep Center Diagnostic Methods in GaAs Integrated Circuit Technology	Gorev Mykola B.	Institute of Technical Mechanics Dnipropetrovsk	190 000	190 000					190 000	US:5 EU:2
Gr-14	Creation of Ecologically Pure Drying Plants and Development of Power-Saving Technologies for Agricultural Production Processing and Preservation	Kutovyy Volodymyr	"Kharkiv Institute for Physics and Technology" National Scientific Center (Ukraine)/Abastumani Astrophysical Observatory (Georgia) Kharkiv/Tbilisi	292 802						0	US:1 EU:2
Gr-18	Development of a Set of Wide-Range Sensors to Check Temperature and Magnetic Field at Cryogenic Temperatures and Electron Temperatures in Thermonuclear Plasmas	Bohovens Mykola S.	"Electron Devices", Tbilisi State University (Georgia) "Orion" State Scientific Research Institute (Ukraine) Tbilisi / Kyiv	250 000						0	US:2 EU:2
Gr-22	Designing an Energy-Technological Complex for the Production of Ecologically Pure Energy Carriers	Solovej Victor V.	Institute of Mechanical Engineering Problems (Ukraine); Institute of Mechanics of Machine (Georgia) Kharkiv / Tbilisi	110 166						0	US:2 EU:2
Gr-32	Direct Synthesis of Novel Complex Compounds with Valuable Properties from Military Equipment that is Subject to Conversion	Volkov S.V.	Institute of General and Inorganic Chemistry (Ukraine); Institute of Inorganic Chemistry and Electrochemistry (Georgia) Kyiv / Tbilisi	172 183	172 183					172 183	US:5 EU:2
Gr-37	New Combined Methods for Production of Gradient Functional Materials with Surface Nanocrystalline Layers	Uvarova I. G. Khursidze	Frantsevich Institute for Problems of materials Science of the National Academy of Science of Ukraine; Georgia Technical University Kyiv, Tbilisi	196 000						0	US:1 EU:2
Gr-50	Ecological Monitoring of Biologically Active Antirachitic UV Radiation and the Development of the "VitaD" Bio-Dosimeter	Guram Chilaya / Terenetskaya Iryna	Institute of Physics (Ukraine) / Institute of Cybernetics (Georgia) Kyiv/Tbilisi	199 960						0	US:1 EU:1

1. Review Incomplete - Consideration Deferred
2. Reviews Complete - No Willingness to Fund
3. Rewrite/Resubmit - See Comments
4. Other - See Comments
5. - Funding Party's Collaborator Required

STCU PROJECT FUNDING TABLE  
9th Governing Board Meeting, December 15, 1999

16.12.999:49

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (EURO)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
Uzb-11	Nuclear Detection Monitoring Suite for Uzbekistan	Yuldashev Bekhzad	Institute of Nuclear Physics Tashkent	129 178	129 178					129 178	US:5
Uzb-14	Creation of an Automated Satellite Monitoring and Notification System About Extreme Situations	Ibragimov Igor A.	Uzbekistan State Space Agency "Uzbekcosmos" Tashkent	148 400						0	US:1
Uzb-15	Project Development of Satellite Communications in Uzbekistan	Sharapov Vladimir N.	Uzbekistan State Space Agency "Uzbekcosmos" Tashkent	124 000						0	US:1
Uzb-17	Device Designed at-Raising Silk-Thread-Quality	Mukhamedjanov M.A.	Institute of Nuclear Physics (Uzbekistan); Institute of Mechanical Engineering Problems (Ukraine) Tashkent/Kharkiv	50 710						0	US:2 EU:2
Uzb-18	Development Making Process of Solar Collectors with Film Selective Absorbing Coating	Mukhamedjanov M.A.	Institute of Nuclear Physics (Uzbekistan); Institute of Mechanical Engineering Problems (Ukraine) Tashkent/Kharkiv	76 400						0	US:2 EU:2

1. Review Incomplete - Consideration Deferred
2. Reviews Complete - No Willingness to Fund
3. Rewrite/Resubmit - See Comments
4. Other - See Comments
5. - Funding Party's Collaborator Required

STCU PROJECT FUNDING TABLE  
9th Governing Board Meeting, December 15, 1999

16.12.999:49

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (EURO)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
Uzb-21	Development of Methods of Detection and Identification of Nuclear Fission Materials by Passive Remote Methods	Muminov Muhtar I.	Institute of Nuclear Physics (Uzbekistan); "Kharkiv Institute of Physics and Technology" National Scientific Center (Ukraine) Tashkent/Kharkiv	181 961						0	US:2 EU:2
Uzb-22	Scientific Investigation and Manufacture of Drying Facility for Ecological Clean Veterinary Preparaes and Food Additives from Vine Industry Wastes	Muminov Muhtar I.	Institute of Nuclear Physics (Uzbekistan); Institute of Experimental and Clinical Veterinary Medicine (Ukraine) Tashkent/Kharkiv	196 064		2 000	38 000	37 710		40 000	EU:4,5
Uzb-27	Development of New Perspective Welding Electrodes on the Base of Local Raw Materials of the Republic of Uzbekistan	Saidov Rustam M.	Agency for Promotion of Research and Innovative Projects Tashkent	129 943	129 943					129 943	US:5 EU:2
Uzb-29	Investigation of the Efficient Frequency Conversion and Pulse Compression of Ultrashort Laser Pulses in Nonlinear Optical Materials	Usmanov Timurbek	"Akademprigor" Scientific and Technology Association Tashkent	129 395	129 395					129 395	US:5 EU:2
Uzb-31	Development of the Solar Energy Photoconverters Based on New Structures: "Ion-Beam Modified and Dimond-Like Layers - Multicrystalline Silicon	Muminov Ramizulla	Physical Technical Institute of the Scientific Association "Physics - Sun" (Uzbekistan); Institute of Semiconductor Physics (Ukraine) Tashkent/Kyiv	220 000	198 000	22 000				220 000	US:5 CANADA:5 EU:2
Uzb-46	Elaboration of Extraction Technology of Palladium from Worked Out Catalyst APK-2 and Palladium Containing Ashes with the Use of Microwave Field	Pavliy D.K.	Department of Heavy Ions Physics at the Institute of Nuclear Physics Tashkent	230 100						0	US:1 EU:2
<b>Subtotal Regular Projects Approved:</b>				<b>37 695 557</b>	<b>3 355 850</b>	<b>102 332</b>	<b>896 359</b>	<b>889 510</b>	<b>0</b>	<b>4 354 541</b>	
0001 - I	To Complete Inventory and to Proceed with Detail Assessment	Klimenko Igor	Nuclear Power Plant Operational Support Institute	170 000	76 500	17 000	76 500	73 003		170 000	US:5, EU:5
0001-S	Y2K Scanning Tools: Training, Testing, Delivery, and Supporting Implementation	Voloshenyuk Sergey	Nuclear Power Plant Operational Support Institute	415 000	415 000					415 000	US:5
0001-C	Contingency Planning	Klimenko Igor	Nuclear Power Plant Operational Support Institute	390 129	390 129					390 129	US:5
0001-SUNPP	To Complete Detailed Assesment and to Proceed with Remediation at South Ukraine NPP	Minesenko Sergey	Nuclear Power Plant Operational Support Institute	290 868							US:5, EU:5
0001-ZNPP	To Complete Detailed Assesment and to Proceed with Remediation at Zaporozhye NPP	Minesenko Sergey	Nuclear Power Plant Operational Support Institute	414 989							US:5, EU:5
0001-RNPP	To Complete Detailed Assesment and to Proceed with Remediation at Rivne NPP	Gurevich Dmitry	Nuclear Power Plant Operational Support Institute	97 148	723 454	75 000	236 900	230 000		1 035 354	US:5, EU:5
0001-KhNPP	To Complete Detailed Assesment and to Proceed with Remediation at Khmelnytsky NPP	Gurevich Dmitry	Nuclear Power Plant Operational Support Institute	120 152							US:5, EU:5
0001-ChNPP	To Complete Detailed Assesment and to Proceed with Remediation at Chernobyl NPP	Dritsky Sergey	Nuclear Power Plant Operational Support Institute	112 197							US:5, EU:5
	Administrative support		STCU	9 917	9 917					9 917	US:5
	NPPs - second stage of remediation		NPPs	105 000		45 000	40 308	40 000	20 000	145 308	EU:5
<b>Subtotal Projects Approved between Boards:</b>				<b>2 125 400</b>	<b>1 615 000</b>	<b>137 000</b>	<b>353 708</b>	<b>343 003</b>	<b>20 000</b>	<b>2 165 708</b>	
P003 (ext)	Leukemia and other hematological diseases among clean-up workers in Ukraine following the Chernobyl Accident.	Romanenko Anatoliy	Center for Radiation Medicine of AMSU						46 750	46 750	

1. Review Incomplete - Consideration Deferred
2. Reviews Complete - No Willingness to Fund
3. Rewrite/Resubmit - See Comments
4. Other - See Comments
5. - Funding Party's Collaborator Required




STCU PROJECT FUNDING TABLE  
9th Governing Board Meeting, December 15, 1999

15.12.99 15:38

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (EURO)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
P004 (ext)	Study of thyroid cancer and other thyroid diseases in Ukraine following the Chernobyl Accident.	Tronko Mykola D	Institute of Endocrinology and Metabolism of AMSU						184 582	184 582	
P025	2D full wave modelling program package	Starostenko V.I.	Institute for Geophysics of NASU						55 852	55 852	
P027	Plant for deposition of thin coating of refractory metals and their combinations	Isaak Movshovitch, Nicolay Kiriukhin	Kharkov Institute of Mechanical Engineering Technology KSSRIMET						45 000	45 000	
P030	Calculation and analysis of electron absorbed dose distribution in homogenous and heterogeneous media	Gennady Popov	Kharkiv State University						6 000	6 000	
P032	Investigation of Magnetically -controlled Electroslag Melting (MEM) of titanium alloys.	Yaroslav Kompan	Paton Welding Institute of NASU						10 500	10 500	
P034	Energetic Ions in Toroidal Fusion Devices	Kolesnichenko Yaroslav Ivanovich	Institute of Nuclear Research, NAS of Ukraine						38 770	38 770	
	Subtotal Partner Projects:			0	0	0	0	0	387 454	387 454	
			<b>TOTAL:</b>		4 970 850	239 332	1 250 067	1 240 515	407 454	6 907 703	

  
Emil Baran  
Board Member for Canada

  
Victor Bar'yakhtar  
Board Member for Ukraine

  
John Boright  
Board Member for the United States

  
Jean Gabolde  
Board Member for the European Union

  
Martti Isoaho  
Board Member for the European Union

- 1. Review Incomplete - Consideration Deferred
- 2. Reviews Complete - No Willingness to Fund
- 3. Rewrite/Resubmit - See Comments
- 4. Other - See Comments
- 5. - Funding Party's Collaborator Required