



STCU Funding Table 20th Governing Board Meeting 16 June 2005

#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
1901	Study of the Mechanism of Precipitation of Electrons and Protons from the Earth's Inner Radiation Belt	Kharkiv National University	Shmatko Yevgen Stepanovith	\$141 000							US:2 Canada:2 EU:2
1975	The conditions of tungsten substitution in cast hard alloys by transition metals of IV - VI groups	Institute of Problems of Materials Science	Velikanova Tamara	\$57 300							US:2 Canada:2 EU:2
2083	Mechanisms of the ionization increasing in plasma sources of low pressure	Kharkiv National University	Azarenkov Mikola Oleksiyovlch	\$83 050							US:2 Canada:2 EU:2
2142	Research on the possibility of hydrocarbon gas detection in air with the help of a HCN laser	Institute of Radiophysics and Electronics	Kuleshov Yevgen	\$139 000							US:2 Canada:2 EU:2
2157	The development of the experimental equipment for dehydrating of the colloidal mixtures by means of their	"Kharkiv Aviation Institute" State Space University	Petukhov Ilya Ivanovich	\$94 000							US:2 Canada:2 EU:2
2206	Enhancing Serviceability of Welded Joints of Dissimilar Metals by Optimizing Their Design and Technological	Institute for Problems of Strength	Lebedev Anatoly A	\$110 000							US:2 Canada:2 EU:2
2253	Information Technology and System for Preservation of Cultural Possessions of Ukraine	State Scientific and Research Institute of Information Infrastructure	Opotiak Yu. V.	\$76 149							US:2 Canada:2 EU:2
2489	The two-nozzle injector for water cooling towers of splashing type	"Dnepropetrovsk plant Temp" Join Stock Company	Gavrish Felix	\$148 600							US:2 Canada:2 EU:2
2594	A remote control system for checking the state of exausted heat releasing rods (HRRs) before their burial	Special Design Bureau of Television Systems	Basyuk Mykola	\$92 455							US:2 Canada:2 EU:2
3013	New energy-saving methods, devices based on over-voltage pulse corona discharge for water food treatment gas	"Molniya" Research and Design Institute of Kharkiv State Polytechnical University	Boyko Mykola Ivanovitch	\$145 580							US:2 Canada:2 EU:1
3033	Research into acceleration action on resistance of bistable "liquid-vapour-heat emitting surface" system to local	Institute for Low Temperature Physics and Engineering	Bondarenko Stanislav	\$84 500							US:2 Canada:2 EU:2
3039	Elaboration of the novel method of early cancer detection and development of the commercially available	Gromashevsky Institute of Epidemiology and Infectious Diseases	Parkhomenko Larysa	\$120 868							US:1 Canada:1 EU:2

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3057	Development of high stability cermet springs and devices for examination of their parameters	Institute of Problems of Materials Science	Silenko Petro	\$146 955							US:2 Canada:2 EU:2
3065	Aerospace-borne soil and vegetation remote-sensing data usage planning	Institute of Radiophysics and Electronics	Yatsevich Sergey	\$185 000							US:2 Canada:2 EU:3
3074	SQUID-magnetometry system to control magnetic contrast agents and targeted transport of medications with magnetic	Institute of Cybernetics	Voitovych Igor	\$219 974							US:2 Canada:2 EU:3
3097	Insulation continuous monitoring and protection system for distribution networks of 6-35 kV	"YuzhVEC" Firm	Shcrabets Fedir Pavlovych	\$170 000							US:2 Canada:2 EU:3
3098	Advanced semiconductor spintronics: technology, theory and devices	Fed'kovich Chernivtsi State University	Gorley Petro	\$83 550							US:2 Canada:2 EU:4
3106	Extremely disordered materials for fuel cell and nickel-metal hydride battery applications	Institute of Problems of Materials Science	Solonin Yuriy	\$180 000							US:2 Canada:2 EU:3
3108	Novel Electrode Materials Based on Nanostructural Carbon Phases for Electrochemical Technologies	Institute of General and Inorganic Chemistry	Novoselova Inessa Arkadiivna	\$198 000							US:2 Canada:2 EU:8
3115	Technology development for production wear-resistant powder tool steels using specific treatment metal melt	Institute of Problems of Materials Science	Itsenko Anatoly Ivanovych	\$124 970							US:2 Canada:2 EU:3
3120	Nonlinear waves as a technical tool for studying and rearranging the structured medium	Institute of Geophysics	Vakhnenko Vyacheslav	\$193 762							US:2 Canada:2 EU:3
3130	Increase in fatigue strength of thin-walled aluminium structure joints using high-efficient consumable electrode welding	Paton Electric Welding Institute	Kirjan Valery	\$258 000							US:2 Canada:2 EU:3
3131	Nonmetallic composite coatings on lightweight metals resistant to man-made and natural environment influences	Ukrainian State Chemical and Technological University	Snizhko Lyubov	\$165 655							US:2 Canada:1 EU:3
3136	Development of a passive millimeter waves imaging system for detection of the weapon concealed under	"Iceberg" State Research Center	Denisov Alexander	\$186 000							US:2 Canada:2 EU:3

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3160	Design of plane scanning centimeter and millimeter-wave antennas for mobile telecommunication	Institute of Radiophysics and Electronics	Sirenko Yuriy	\$185 521							US:2 Canada:2 EU:3
3165	Development Of Methodology And Instrumentation For Multi-Parametric Tomography Of Earthquake Hazardous Zones	Lviv Center of Institute of Space Research	Valery Korepanov	\$195 095				\$195 095	\$195 095		US:2 Canada:2 EU:2
3166	Development of the New Hemoadsorption System for Removal of Protein-Bound Toxins and Inflammatory	Institute of Experimental Pathology, Oncology and Radiobiology	Nikolaev Volodymyr	\$123 420							US:1 Canada:2 EU:2
3170	Elaboration of Corrosion Fatigue Resistant-Matrix Composites for High-Temperature Power Equipment	National Metalurgical Academy of Ukraine	Mazur Vladyslav	\$225 000							US:2 Canada:2 EU:2
3188	Modern methods of evaluation of the load-carrying capacity of refrigerator ship structures under complicated service	Institute of Mechanics	Grigorenko Ya. M.	\$104 542							US:2 Canada:2 EU:3
3189	Technology for thermal hardening of steel tools with the goal of increasing their operational stability	National Metalurgical Academy of Ukraine	Deyneko Leonid	\$180 000							US:2 Canada:2 EU:3
3195	Development of two-contour heliosystem for hot water delivery based on highly effective solar collectors and	Institute of Problems of Materials Science	Frolov Gennady	\$185 000							US:2 Canada:2 EU:4
3206	Research and Development of Scientific Principles for Creating Molecular and Molecular-Based Magnetic Materials	Donetsk Physical-Technical Institute of NASU	Levchenko Georgii	\$114 848			€ 92 085			€ 92085	US:2 Canada:2 EU:5
3215	Electro-Vacuum in Ladle Steel Treatment to the Energy Savings, Ecological Improvement and Development	"Dnipropetrivsk Machine-Building Plant" Public Joint-Stock Company	Nikitchenko Viktor	\$198 384							US:2 Canada:2 EU:3
3219	High sensitivity magnetometer for acoustomagnetic detection of ferromagnetic microparticles in biological tissues	Institute for Low Temperature Physics and Engineering	Bondarenko Stanislav	\$96 000							US:2 Canada:2 EU:2
3221	Development of principles for alloying cold resistant ferritic corrosion- resistant steels	Zaporizhzhie National Technical University	Koval Anatoliy	\$109 990							US:2 Canada:2 EU:3
3226	Development of the technology for production of semi-conducting silicon carbide substrates for creation of optical	Special design and technological bureau of IP NASU	Maslov Volodymyr	\$198 721							US:2 Canada:2 EU:3

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3230	Development of biological system for rapid application of pharmacological substances to the cells and tissue cultures	"Lileya" Small Scientific Production Enterprise	Petrenko Serhiy	\$133 742							US:2 Canada:2 EU:1
3234	Reasonable constructive techniques for suppression of oscillations in transport systems with movable liquid and elastic	Institute of Mechanics	Zakrzhevskyy Evgeny	\$125 000							US:1 Canada:2 EU:4
3249	Terahertz Electromagnetic Wave Generation from Quantum Nanostructures	Institute of Radiophysics and Electronics	Popenko Nina	\$150 000							US:2 Canada:2 EU:4
3250	Development of Methods of Long-term Damage and Residual Lifetime Analysis of Critical Components of Energy	Institute of Mechanics	Golub Vladyslav	\$63 000							US:2 Canada:2 EU:3
3255	Development of scientific-technological fundamentals of producing perfect semiconductor and composite	Paton Electric Welding Institute	Asnis Jukhim	\$160 000							US:2 Canada:2 EU:2
3256	Development of technology of non-destructive testing defectness and stresses in space engineering objects	Paton Electric Welding Institute	Lobanov L. M.	\$120 000							US:2 Canada:2 EU:2
3276	Catastrophes and macroscopic anomalies in conductive electron systems	"Institute of Machines and Systems"	Makarov Volodymyr Ivanovich	\$94 004							US:2 Canada:2 EU:1
3277	Development of the sorption-membrane technology to utilize boron from natural waters and wastewaters	Institute of the Colloid and Water Chemistry	Mel'nyk Luydmyla Oleksiivna	\$194 662							US:2 Canada:2 EU:2
3278	Development of methodology and Networked simulating tools on the base of the modified system NetALLTED with	Informational Resources Research Institute at the National Technical University of Ukraine "Kviv	Petrenko Anatoliy Ivanovich	\$201 211			€ 112 251	\$61 000	\$61 000	\$ 61000 € 112251	US:2 Canada:2 EU:5
3282	Methods and Devices Development for Express Diagnosing of Low-Dose Ionizing Radiation Effects	"ISKRA" Science and Research Institute	Dolynskyy Gennadiy	\$115 952							US:2 Canada:2 EU:3
3286	Development of Scientific Approach and Technology for Growing High-Quality Optical-Grade Germanium Crystals for	Institute of Semiconductor Physics	Pekar Grigoriy Solomonovich	\$160 000							US:2 Canada:2 EU:3
3290	Substantiation of the ways to reduce the natural radionuclides transfer to the environment and human body in uranium mining	Marzeev Institute of Hygiene and Medical Ecology	Los Ivan Pavlovich	\$381 914							US:2 Canada:2 EU:3

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3296	Multi-Functional Shape Memory Alloys for Smart System Applications	Institute of Metal Physics	Koval Yuriy	\$182 710							US:2 Canada:2 EU:3
3297	Virtual Laboratory for Arc Welding Processes Modeling and Simulation to Prognosticate Welded Construction Quality	Institute of Problems of Simulation in Power Engineering	Vassiliev Vsevolod	\$352 410							US:2 Canada:2 EU:2
3299	Barrier properties of crystalline rocks in Ukrainian shield and rock salt in Dniper-Donets depression	Institute of Geological Sciences	Khrushchov Dmitro	\$185 191							US:2 Canada:2 EU:2
3302	Development of safety analysis principles for crystalline massives in Ukrainian shield promising for radioactive waste	Institute of Geological Sciences	Khrushchov Dmitro	\$169 914							US:2 Canada:2 EU:2
3305	PECVD nanocrystalline-amorphous coatings based on nc-TiBx /a-SiC. Micro- and nano-mechanical investigation	Institute of Problems of Materials Science	Ivashchenko Volodymyr	\$77 491							US:8 Canada:2 EU:2
3306	Development Of New Functional Materials On The Basis Of Incipient Ferroelectrics For Application At Cryogenic	Institute of Problems of Materials Science	Glinchuk M.	\$198 200							US:2 Canada:2 EU:1
3307	Development of Toxin-Specific Molecularly Imprinted Polymer Membranes based on Intermembrating Polymer	Institute of Macromolecular Chemistry	Brovko Oleksandr	\$208 366							US:2 Canada:8 EU:8
3308	Ascertainment of All Malignancies among suffered population in the Most Radioactively Contaminated	"Compumed" Scientific-Practical Enterprise	Noshchenko Andriy	\$130 000							US:2 Canada:2 EU:2
3310	Investigation of possibility for realization of the nuclear synthesis reaction, stimulated by thermal neutrons in borates	Institute of Physical Optics	Burak Yaroslav	\$160 700							US:2 Canada:2 EU:8
3314	Study of Lymphoma Risk Association with Exposure to Low Doses of Ionizing Radiation	"Compumed" Scientific-Practical Enterprise	Noschenko Andrii	\$96 100							US:2 Canada:2 EU:2
3317	Creation of the industrial plant pilot specimen for milling in hydrogen of ferromagnetic alloys from Ukrainian raw	Karpenko Institute of Physics and Mechanics	Panasyuk Volodymyr Vasylovych	\$185 000							US:2 Canada:2 EU:8
3318	The development of ozone-dynamic method for the destruction of scrap tires with metal cord	Kyiv Taras Shevchenko University	Bedjukh Oleksandr Radiyovych	\$160 000							US:2 Canada:2 EU:2

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3320	Development of engineered barriers made by stone casting for nuclear spent fuel disposal in granite massifs	"Kharkiv Institute of Physics and Technology" National Scientific Center	Saenko Sergei	\$190 000							US:2 Canada:2 EU:2
3321	Organic polymer infrared emitters and photodetectors on the silicon pattern substrates for optical fiber communication	Institute of Semiconductor Physics	Smerenko Petro	\$132 700							US:2 Canada:2 EU:2
3324	Novel Magnetic, Thermoelectric and Resistive Materials based on Multicomponent Intermetallic Phases	Ivan Franko National University of Lviv	Bodak Oksana	\$189 202							US:2 Canada:2 EU:2
3332	Radiating electrode - applicator for HF hyperthermia based on high-permittivity dielectrics	Kharkiv State Technical University of Radioelectronics	Pospelov Leonid	\$180 000			€ 144 323			€ 144323	US:2 Canada:2 EU:5
3334	Porous polyurethane filled with water	Institute of Macromolecular Chemistry	Matyushov Vitaliyi	\$165 912							US:2 Canada:2 EU:2
3335	Modified carbon adsorbents for ecology and fine chemical technologies	Institute for Sorption and Problems of Endoecology	Puziy Oleksandr Mikhailovich	\$111 757							US:2 Canada:2 EU:8
3339	Development of high-sensitivity integrated converters of mechanical deformations and forces with indemnification of	"TDM" Scientific & Technical Enterprise	Shevchuk Mykola	\$188 695							US:2 Canada:2 EU:8
3345	Structure stability of multilayer nanocrystalline materials Cr-Al-N and Cr-V-N	"Kharkiv Institute of Physics and Technology" National Scientific Center	Guglya Oleksiy Grygorovych	\$178 705							US:2 Canada:2 EU:3
3348	The localization of unknown sites of fibrin polymerization for the creation of the new anti-thrombi agents	Institute of Biochemistry	Lugovskoy Eduard Vitalievich	\$140 192							US:2 Canada:2 EU:3
3350	Development of new design medical stents and their manufacturing using laser radiation	Applied Electric Institute of the National Technical University of Ukraine "Kyiv Polytechnical Institute"	Kovalenko Volodymyr Sergiyovich	\$200 000							US:2 Canada:2 EU:1
3353	New orthopedic composite materials and products of them based on hydroxyapatite.	Kharkiv National University	Zyman Zoltan Zoltanovich	\$135 000							US:2 Canada:2 EU:2
3354	Development of new carbon nanocomposites based on exfoliated graphite for the selective adsorption of	Fond for scientists of molecular cybernetics and informatics	Dovbeshko Galyna Ivanovna	\$173 692							US:2 Canada:2 EU:1

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3358	Hydrogen sorbing, accumulating, holding and desorbing from metals under external and internal structure-	"Kharkiv Institute of Physics and Technology" National Scientific Center	Morozov Oleksandr	\$196 100							US:2 Canada:2 EU:2
3359	Modeling and experimental investigation of microstructure/texture evolution in advanced metallic materials	Institute of Metal Physics	Ivasishin Orest Mykhaylovich	\$120 000							US:2 Canada:2 EU:2
3360	Creation of high efficiency hybrid energy supply systems for electric vehicles	Institute of Electrodynamics	Pavlov Victor	\$200 000							US:2 Canada:2 EU:1
3367	Investigation of peculiarities of Sr-90 and Cs-137 uptake by plants for different types of soils	Kyiv Taras Shevchenko University	Prorok Vasil	\$140 000							US:2 Canada:2 EU:2
3368	Creation of the generator of soft X-ray radiation on the basis of self-maintained plasma- beam discharge	Kharkiv National University	Borysko Volodymyr Mikolaevich	\$187 721	\$187 721				\$187 721	\$ 187721	US:5 Canada:2 EU:2
3371	New pharmacological approach minimizing vascular lesions produced by ionizing radiation using saline- and quercetin-	Institute of Pharmacology and Toxicology	Solovyov Anatoliy Ivanovych	\$164 042							US:2 Canada:2 EU:2
3372	Development of new methods for active and passive control of vibrations in aerospace and transport systems	National Technical University "Kharkiv Polytechnical Institute"	Alexandrov Evgeny Evgenievich	\$84 000							US:2 Canada:2 EU:3
3375	Epizootic neoplasia of northern pike from Dniper reservoirs	Kyiv Taras Shevchenko University	Buchatsky Leonid Petrovich	\$99 360							US:2 Canada:2 EU:2
3380	Novel ecological clean nanocarbon-carbon battery	Institute of Problems of Materials Science	Pomytkin Anatoliy P.	\$125 820							US:2 Canada:2 EU:2
3385	Novel technology for production of high purity titanium base alloys by aluminothermic reduction of oxides	Physical and Technological Institute of Metals and Alloys	Sokolov Vladyslav Mikhailovych	\$196 187		\$20 000	€ 141 266		\$20 000	\$ 20000 € 141266	US:2 Canada:5 EU:5
3396	Development of technology, equipment for production of the coldly deformed tubes of property of which advance	Tube production, progressive technology Ltd	Popov Marat Vasilovitch	\$150 000							US:2 Canada:2 EU:2
3398	New information technology of high-resolution acoustic images forming based on hologram descriptions of sounded	Institute of Problems of Simulation in Power Engineering	Evdokimov Viktor	\$318 500							US:2 Canada:2 EU:2

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3399	Photonic Liquid Crystal	Institute of Physics	Lev Bohdan Ivanovich	\$163 860							US:2 Canada:2 EU:2
3400	New Technologies and Facilities for Improved Grain Aeration and Drying	"Elevator" Science and Production Enterprise	Danchenko Vitaly G	\$243 612	\$183 612	\$60 000			\$243 612	\$ 243612	US:5 Canada:5 EU:2
3402	Tularemia control optimization in different landscape-geographical zones of the Ukraine	Ukrainian I. I. Mechnikov Anti-Plague Research Institute	Pozdnyakova Lyudmila	\$196 678							US:1 Canada:2 EU:2
3403	Development of synthesis process in electrolyte plasma for wear and corrosion resistant coatings on magnesium alloys	Karpenko Institute of Physics and Mechanics	Nykyforchyn Hryhorii	\$155 582							US:2 Canada:2 EU:2
3404	Evaluation of the residual resource of operating reactors and analysis of prospective reactors for Ukrainian NPP's	"Kharkiv Aviation Institute" State Space University	Plankovsk Sergiy Igorovich	\$184 599							US:2 Canada:2 EU:2
3406	Development of Consistent Measurement Methods and Software Complex for Spacecraft Motion	Institute of Technical Mechanics	Zhechev Myhailo M.	\$91 840							US:2 Canada:2 EU:2
3408	Development of GIS-based, information-analytical system for management by ecosystem of the Shatsk National Park of	Karpenko Institute of Physics and Mechanics	Koshovyy Volodymyr Victorovych	\$179 000							US:2 Canada:2 EU:2
3416	Development and organization of production of detector arrays using scintillator-photodiode system for positron emission	Institute for Single Crystals	Nekrasov Vasyl Volodymyrovych	\$160 000							US:2 Canada:2 EU:8
3425	Applicatoin of microwave hyperthermia in cattle-breeding for improvement of animals' health and productivity	Usikov Institute of Radiophysics and Electronics	Malysenko Yuriy Igorevych	\$135 840							US:2 Canada:2 EU:2
3427	Detection of Explosive, Fissile and High-Z Materials Using High Energy Bremsstrahlung Rays	Kharkiv National University	Rudychev Dmitriy	\$275 750							US:2 Canada:2 EU:4
3452	Investigation of New Atmosphere Components and Their Influence on Prediction of Global Warming	Institute of Radio Astronomy	Churylov Volodymyr Pavlovych	\$112 000							US:2 Canada:2 EU:8
3460	Creation of new type of emitters for different destinations based on fullerites and nanoscale carbon	Institute of Problems of Materials Science	Dubovoj Anatoliy	\$178 800							US:2 Canada:2 EU:2

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3465	The development of thermonuclear neutron source on the basis of multislit electromagnetic trap	National Scientific Centre "Kharkov Institute of Physics and Technology"	Lavrent'ev Oleg Olexandrovych	\$88 900							US:2 Canada:2 EU:2
3480	Design and production of nano-composite optical sensors for solvents etc. aggressive matters detection	Institute of Semiconductor Physics	Grytsenko Konstantin	\$140 390			€ 112 564			€ 112564	US:2 Canada:2 EU:5
3483	Developing Logical-Statistical Methods for Data Mining and Knowledge Discovery; their Application for Advanced	Technological Science Academy of Ukraine	Sytnikov Dmytro E.	\$99 982							US:2 Canada:2 EU:2
3484	Phytotechnologies For Management Of Radionuclide And Pesticide Contaminated Soil In Ukraine	Institute of Agroecology and Biotechnology (IAB)	Moklyachuk Lidia Ivanivna	\$141 050							US:2 Canada:2 EU:2
3490	Creation of new generation cardiovascular drugs by directed synthesis on the basis of natural substances	National Pharmaceutical University	Makarevich Ivan Fomich	\$170 000							US:2 Canada:2 EU:2
3492	Influence of working conditions of workers producing beryllium on state of their health and pathology formation	Institute of Radiophysics and Electronics	Azhazha Volodimir	\$153 792							US:2 Canada:2 EU:2
3500	The contactless intraocular pressure measurement's device.	Kharkov State Medical University	Kochina Marina Leonidivna	\$224 218							US:8 Canada:2 EU:2
3511	Development of the setting and measurement methods of angular gamma-radiation distributions under hard	"Kharkiv Institute of Physics and Technology" National Center of Science, Institute of Solid-State Physics	Khazhmuradov Manap Akhmadovych	\$138 190							US:2 Canada:2 EU:1
3518	The design and fabrication of elements of qubit and qubit as a cell of quantum computer.	Concern "Nauka"	Larkin Sergii Yurievich	\$163 910	\$81 955		€ 65 711		\$81 955	\$ 81955 € 65711	US:5 Canada:2 EU:5
3530	New transscleral laser applications technology for treatment of an eye choroids melanomas	V.P.Filatov eyes disease and tissue's therapy institute	Linnik Leonid Fedorovich	\$184 145							US:2 Canada:2 EU:2
3534	Development of advanced technology of production and control of nanostructured materials for use in medicine	Institute of Radiophysics and Electronics	Khaimovich Pavel Aleksandrovich	\$98 000							US:2 Canada:2 EU:2
3535	Intelligent galvanomagnetic devices for ITER Magnetic Field Diagnostics	"Lvivska Polytechnica" State University	Boishakova Inessa	\$240 000			€ 192 431			€ 192431	US:2 Canada:2 EU:5

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3545	Thin film converter of nuclear energy into electricity.	Kharkiv National University	Kononenko Sergiy Ignatovich	\$191 508							US:2 Canada:2 EU:2
3546	Elaboration of Passive Systems for Heat Transport and Temperature Control for Use in Energy Saving Equipment	National Scientific Centre "Kharkov Institute of Physics and Technology"	Baturkin Volodymyr Mykhaylovych	\$80 800							US:2 Canada:2 EU:1
3554	Vehicle-borne H ₂ -producing rechargeable feeder for hydrogen-propulsion automobile	Dnipropetrovsk National University, division - Scientific Research Power Engineering Institute	Madatov Artem Valeriyovych	\$249 712							US:1 Canada:2 EU:2
3555	Research and development of new optoacoustic methods for evaluation of structurally inhomogeneous materials	"Physical and Chemical Material Science" Science and Training Center at the Kyiv Taras Shevchenko	Burbelo Roman Mykhailovich	\$72 160	\$72 160				\$72 160	\$ 72160	US:5 Canada:2 EU:2
3556	The chemiluminescent gas analyzer of oxides of nitrogen (NO, NO ₂ , NO _x).	Ukrainian Scientific and Research Institute of Analytic Instrument Engineering "Ikranalit"	Prymiskyy Vladislav	\$175 870							US:2 Canada:2 EU:8
3558	Fluorine-containing derivatives of phosphonic acid: Synthesis and application in bio- and medicinal chemistry	Institute for Bioorganic Chemistry and Petrochemistry	Romanenko Vladyslav	\$165 406							US:1 Canada:1 EU:2
3560	Cast composite smart-materials with high tribotechnical properties	Physical and Technological Institute of Metals and Alloys	Zatulovsky Sergiy	\$169 179							US:2 Canada:2 EU:2
3562	A technology of producing stem cell neural autotransplants for regenerative medicine	Kharkiv National University	Tovstiak Volodymyr Vasyliovych	\$200 000							US:2 Canada:2 EU:2
3567	Reusable Multi-layer Thermal Protection System	"Pivdenne" State Design Office	Sitalo Volodymir Gavrylovich	\$240 000							US:2 Canada:1 EU:1
3570	Development of technological basis and equipments for air disinfection from pathogens	Ukrainian State Chemical and Technological University	Velichenko Oleksandr Borisovich	\$149 640							US:2 Canada:1 EU:1
3588	Development of production technology of fetal liver stem cell-based biological preparation for treatment of	Institute of Experimental and Clinical Veterinary Medicine	Stegniy Boris Timofeyevich	\$198 000							US:1 Canada:1 EU:2
3593	Development of New Wear-resistant Coatings on the devices of aeronautical engineering manufactured from	Karpenko Institute of Physics and Mechanics	Pohreliuk Iryna	\$125 000							US:2 Canada:2 EU:8

1. Review Incomplete
2. Review Complete - No willingness to fund
3. Rewrite / resubmit - see comments
4. Resubmit - see comments

5. Approved with funding
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table 20th Governing Board Meeting 16 June 2005

#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
3594	"Chiral calixarenes for design of hybrid organic-inorganic metallocomplexing catalysts of asymmetrical reactions"	Institute of Organic Chemistry	Kalchenko Vitaliy I.	\$124 456	\$124 456				\$124 456	\$ 124456	US:5 Canada:2 EU:2
3599	Development and investigation of the new bioactive ceramic and composite detonation coatings for surgery implants	Institute of Problems of Materials Science	Dubok Vitaliy Andreevich	\$197 076		\$20 000	€ 141 979		\$20 000	\$ 20000 € 141979	US:2 Canada:5 EU:5
3608	Technology of reception chemically modified oligonucleotides - selective inhibitors of genes	Mechnikov Institute of Microbiology and Immunology	Martynov Arthur	\$188 566							US:2 Canada:2 EU:2
3613	Gas-hydrate-freezing technologies and plant for concentration-dehydrating of food liquids from fruit-vegetable	"Pivdenne" State Design Office	Tretyakov Kostyantyn Oleksiyovych	\$199 972							US:2 Canada:2 EU:2
3621	The development of installation for volumetric modelling of endoprosthetic operations on the locomotorium and spine	Kharkiv State Polytechnical University	Tkachuk Mykola Anatolijovych	\$275 000							US:2 Canada:1 EU:1
3628	Development of mathematical models, methods, and software for optimization of steam power boilers	Institute of Cybernetics	Shor Naum Zuselevich	\$256 868							US:2 Canada:2 EU:2
Subtotal Regular Ukrainian Projects Approved:				\$20 473 392	\$649 904	\$100 000	€ 1 002 610	\$256 095	\$1 005 999	\$ 1005999 € 1002610	
3024	Biotechnological important terapyrroles of propionic bacteria are isolating in Uzbekistan	Institute of Microbiology (Tashkent)	Gulyamova Tashkhan	\$155 523	\$155 523				\$155 523	\$ 155523	US:5 Canada:2 EU:2
3109	Solar Distilling Plant with Active Thermodynamic Contour	Scientific Association «Physics-Sun» Physical-Technical Institute	Tursunbaev Ildar	\$194 048							US:2 Canada:2 EU:3
3114	Development of semiconductor detectors of ionizing radiation on the basis of new physical and technological approaches (DETECTOR)	"Lvivska Polytechnica" State University	Ilichuk Grygoriy	\$267 995							US:1 Canada:2 EU:2
3122	Broad - band rolled plate from tungsten and molybdenum superlarge single - crystals	Paton Electric Welding Institute	Shapoval Victor	\$352 461							US:2 Canada:2 EU:2

1. Review Incomplete
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4. Resubmit - see comments

5. Approved with funding
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table 20th Governing Board Meeting 16 June 2005

#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
3128	Influence of Ionizing Radiation on Diode pumped Solid State Laser: investigation and minimizing risks for applications	Institute of Physics	Negriyko Anatoliy Mykhailovich	\$191 900							US:8 Canada:2 EU:2
3162	Development of electroconductive textile materials and electrically heated systems based on conductive metallized and carbon fibers	Institute of Problems of Materials Science	Vyshnyakov Leon	\$148 469							US:2 Canada:2 EU:3
3185	Research, Elaboration and Development of Ore Minerals Raw Materials and Waste Products of The Republic of Uzbekistan For New Welding	Agency for Promotion of Research and Innovative Projects	Saidov Rustam	\$185 906							US:2 Canada:2 EU:2
3186	Development of high-strength corrosion-resistant composite materials with a hybrid polymeric matrix and technologies of their obtaining	"Tehprom" Society with the limited liability the Scientific production enterprise	Gryaznov Igor Vasilovich	\$324 994							US:2 Canada:2 EU:3
3204	Magnetically and thermally modulated microwave absorption in YBCO films and irradiated twinned and detwinned single crystals	Institute of Applied Physics	Kholbaev Isabek	\$119 850							US:2 Canada:2 EU:4
3209	Investigation of nonlinear-optical properties of materials in femtosecond regime and frequency tuning of femtosecond laser pulses	Scientific and Technology Association "Akademprigor"	Usmanov Timurbek	\$189 732							US:3 Canada:2 EU:2
3212	Development of hybrid solar - wind electric power supply of objects situated in hard-to-reach regions	Center of scientific technical and marketing researches	Isaev Rikhsi Isakhodjaevich	\$247 174							US:2 Canada:2 EU:2
3244	High-Temperature Superconductor Synthesis by Advanced Solar Furnace Technology. Tunneling and Point-Contact Study of Doping	Institute of Material Sciences of Scientific-Production Association "Physics-Sun"	Suleimanov Sultan	\$189 135							US:2 Canada:2 EU:2
3258	Portable Optoelectronic Devices for Rapid - Diagnostics of Microcirculation and Other Important Blood Parameters	Institute of Cybernetics	Voytovych Igor	\$290 000							US:2 Canada:2 EU:8
3271	Determination of Thermo-Physical Characteristics and their Temperature Dependencies for Ceramic HTSC Materials	Institute of Applied Physics	Taylanov Nizom	\$158 652							US:2 Canada:2 EU:2

1. Review Incomplete
2. Review Complete - No willingness to fund
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4. Resubmit - see comments

5. Approved with funding
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table 20th Governing Board Meeting 16 June 2005

#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
3274	Development of the technology for producing nanocrystalline oxide powders on the Large Solar Furnace: aluminum oxide	Institute of Material Sciences of Scientific-Production Association "Physics-Sun"	Salikhov Temur	\$121 604							US:1 Canada:2 EU:2
3313	Ecosorbents based on organosilica modified by biometals	Institute for Sorption and Problems of Endoecology	Denysova Tetyana Ivanivna	\$210 000							US:2 Canada:2 EU:2
3365	Development and creation of the illicit cargoes determination system at the customs without opening the cargo.	Institute of Nuclear Physics	Petrenko Vitaliy	\$329 366							US:1 Canada:2 EU:2
3369	Uncooled Infrared Radiation Detectors, Thermoelectric Converters and Pressure Sensors Based on the Higher Manganese Silicide Films	Tashkent State Air Institute	Kamilov Tulkun	\$170 000							US:2 Canada:2 EU:1
3370	Prevention of Radon seeping into buildings and underground structures through construction materials.	Institute of Nuclear Physics	Khaydarov Rashid	\$218 099							US:2 Canada:2 EU:2
3379	Development of Neutron Sources for Neutron Capture Therapy in Human Cancer Tissue	Institute for Nuclear Research	Gritzay Olena O.	\$194 524							US:8 Canada:2 EU:4
3409	Application of an Uzbekistan Native Plant to the Health Care and Industrial Products Rubber Material Market	Institute of Chemistry of Plant Substances	Anvar Buranov	\$282 597	-\$30 000				-\$30 000	-30000	US:2 Canada:2 EU:2
3428	Researches and development of methods of perfecting a vacuum arc technology of the treatment of surface.	Institute of Electronics	Mirkarimov Alexander Mirshakirovich	\$89 533	\$89 533				\$89 533	\$ 89533	US:5 Canada:2 EU:2
3438	Designing of ecologically clean technology for creation of technical ceramics with solar energy application	Institute of Material Science of Scientific-Production Association "Physics-Sun"	Riskiev Tukhtapulat Tursunovich	\$210 574	\$210 574				\$210 574	\$ 210574	US:5 Canada:2 EU:2
3501	Investigation of soy-bean proteins in treatment of malignant neoplasm	A.S.Sadikov Institute of Bioorganic Chemistry	Ibragimov Fazil	\$240 000	\$240 000				\$240 000	\$ 240000	US:5 Canada:2 EU:2

1. Review Incomplete
2. Review Complete - No willingness to fund
3. Rewrite / resubmit - see comments
4. Resubmit - see comments

5. Approved with funding
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table 20th Governing Board Meeting 16 June 2005

#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
3513	Economical technology for new high-efficient monolithic graded band-gap AlGaAs/GaAs-three-cascade- and GaAs-p-n-, AlGaAs/GaAs-p-n-solar cells on	Scientific Association «Physics-Sun» Physical-Technical Institute	Zaveryukhin Boris	\$190 000							US:8 Canada:2 EU:2
3536	Multipurpose device for neutron capture gamma activation analysis (PGAA) and its applications	Institute of Nuclear Physics	Aripov Gaip Aripovich	\$196 300							US:2 Canada:2 EU:2
3634	Biotechnological improvement of potato cultivars for abiotic and biotic stress tolerance.	Tashkent State University	Holmuratov Elmurat G.	\$310 390							US:2 Canada:2 EU:2
UZ-75(C)	Development of Biosensors for Pesticides Determination in the Environment of Cotton Cultivating Countries	A.S.Sadikov Institute of Bioorganic Chemistry	Veshkurova Olga	\$199 999							US:1 Canada:2 EU:2
UZ-82	Optimization of Thin-Walled Elements and Elastic-Damper Systems of Cushioned Suspensions of the Aircraft Equipment	Tashkent State Air Institute	Ganihanov Sharafutdin Fashutdinovich	\$124 000							US:1 Canada:2 EU:2
UZ-93	Electromagnetic processes in the relativistic highly charged ion-atom collisions.	Heat Physics Department	Matrasulov Davron U	\$44 400							US:2 Canada:2 EU:2
UZ-133	The new approach to studying physics of solar-atmospheric relations and extreme ecological phenomena on the basis of the hypothesis of non-	Bugaev V. A. The Central Asian research and development hydrometeorological institute	Arushanov Mihail	\$149 107							US:2 Canada:2 EU:2
Subtotal Regular Uzbek Projects Approved:				\$6 296 332	\$665 630	\$0	€0	\$0	\$665 630	\$ 665630 0	
3163	Special purpose polymer composites from petroleum products, mineral raw materials, industrial or post-consumer	Institute of Macromolecular Chemistry	Fainleib Oleksandr Markovych	\$260 000							US:2 Canada:2 EU:3
3214	DEVELOPMENT OF ECOLOGICALLY SECURE TECHNOLOGY FOR PRODUCTION OF PURE	Institute of Metal Physics	Shmatko Oleg Anatoliovich	\$170 180	\$170 180				\$170 180	\$ 170180	US:5 Canada:2 EU:2
3263	Individual Protective Sheets of Basalt-Titanium-Aluminum Ceramics by Hot Vacuum Compaction	Institute of Mining of Georgian Academy of Sciences.	Chikhradze Niko Mikhailovich	\$187 950							US:2 Canada:2 EU:3

1. Review Incomplete
2. Review Complete - No willingness to fund
3. Rewrite / resubmit - see comments
4. Resubmit - see comments

5. Approved with funding
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table 20th Governing Board Meeting 16 June 2005

#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
3269	Mathematical methods for investigation of ecological problems: analysis, synthesis, and control	Institute of Cybernetics	Skopetsky VasyI	\$183 000							US:2 Canada:2 EU:2
3281	Creation of Superconducting Shells and Investigation of Interaction of High Temperature Superconductors With Low	Institute of Radiophysics and Electronics	Tkachenko Victor I.	\$411 778							US:2 Canada:2 EU:2
3285	A new experimental approach to the problem of insomnia.	Georgian Sleep Research Institute	Eliozishvili Marine	\$299 250							US:2 Canada:2 EU:3
3389	Catecholamines - Background for the Tuberculosis Development	Tbilisi State Medical University	Kldiashvili Ekaterine	\$58 460							US:2 Canada:2 EU:2
3390	Microscale investigations of wind energy potential under conditions of complicated relief of Georgia, based on regional	Scientific Wind Energy Center KARENERGO	Zedginidze Archil David	\$196 845							US:2 Canada:2 EU:2
3395	The investigation of characteristic features of inflammation and neoplasias developed on the background	Tbilisi State Medical University	Kldiashvili Ekaterine	\$85 262							US:2 Canada:2 EU:2
3473	Development of new technique for generation and radiation of electromagnetic picosecond pulses	Kharkiv National University	Muratov Volodimir	\$187 109	\$187 109				\$187 109	\$187109	US:5 Canada:2 EU:2
3491	Study of liver at early stages in alcohol-induced damage by scientific communication server system	Tbilisi State Medical University	Kldiashvili Ekaterine	\$62 660							US:2 Canada:2 EU:2
3498	The elaboration of the electrodischarge sintering technology of diamond-metallic granules for obtaining high effective diamond tools.	Institute of Problems of Materials Science	Raychenko Oleksandr Ivanovych	\$199 862			€ 160 249			€ 160249	US:2 Canada:2 EU:5
3503	ENTOMOPATHOGENIC NEMATODES AS MEANS OF PEST CONTROL	Institute of Zoology of the Georgian Academy of Sciences	Melashvili Nino	\$200 000							US:2 Canada:2 EU:2
3519	The Role Of Satellite Dna Bending In Heterochromatin Organization	Durmishidze Institute of Biochemistry and Biotechnology	Beridze Tengiz	\$122 964							US:2 Canada:2 EU:2
3524	Development of Plasma Technology for Restoring Worn Surfaces of hydraulic transport system	Institute of Mining Mechanics	Makharadze Leon Iliia	\$140 830							US:1 Canada:2 EU:2

1. Review Incomplete
2. Review Complete - No willingness to fund
3. Rewrite / resubmit - see comments
4. Resubmit - see comments

5. Approved with funding
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table 20th Governing Board Meeting 16 June 2005

#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
3529	Developing Methods for Recovering Nonferrous and Rare Metals from Secondary Raw Materials by Ionic-Melt Electrolysis.	Institute of General and Inorganic Chemistry	Zarubitskii Oleg Grigorievich	\$196 800							US:2 Canada:2 EU:2
3544	Gene Expression and Molecular Changes in Response to Stress Induced by Corticotropin Releasing Hormone Administration	I. Beritashvili Institute of Physiology	Japaridze Nadezhda (Nana) J.	\$297 100							US:2 Canada:2 EU:2
3582	Development of efficient composite neutron-absorptive materials based on hafnium and B-10 en-riched boron carbide	National Scientific Centre "Kharkov Institute of Physics and Technology"	Babun Anatoly Viktorovich	\$194 435							US:2 Canada:2 EU:2
3609	Development of the new Ecologically friendly Technology of the Complex Processing of the Antimony Ores	F. Tavadze Institute of Metallurgy and Materials Science	Tsikaridze Zurab	\$139 805							US:2 Canada:2 EU:2
3611	Development and Fabrication of Novel Materials Based on Clad Al-Me Powders	F. Tavadze Institute of Metallurgy and Materials Science	Varshalomidze Guram	\$247 685							US:2 Canada:2 EU:2
3622	Development of high-performance heat-, wear-resistant ceramic composites fabricated by self-propagating	Institute of Metallurgy and Material Sciences of Georgian Academy of Sciences	Tavadze Giorgi	\$181 672	\$181 672				\$181 672	\$181672	US:5 Canada:2 EU:2
GE-47	Plasticity of titanium and its alloys in high-strength state	Institute of Problems of Materials Science	Minakov Veniamin	\$246 449							US:2 Canada:2 EU:2
GE-96	Development Of The Effective Bacterial Leaching Technology Of Low Grade Manganese Ores And Slimes	Caucasian Institute of Mineral Resource	Sakhvadze Lamara	\$242 810							US:1 Canada:2 EU:2
GE-108	Development of New Effective Technology for Producing Cubic Boron Nitride	Institute of Mining Mechanics	Chagelishvili E	\$131 360							US:2 Canada:2 EU:2
GE-126	Explosive fabrication of novel materials from nanocrystalline powders	Institute of Mining Mechanics	Chikhradze Niko Mikhailovich	\$123 350							US:2 Canada:2 EU:8

1. Review Incomplete
2. Review Complete - No willingness to fund
3. Rewrite / resubmit - see comments
4. Resubmit - see comments

5. Approved with funding
6. Proj. Dev Grant awarded
7. N/A
8. Review complete - to be considered at next GBM



STCU Funding Table 20th Governing Board Meeting 16 June 2005

#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
GE-132	Research of disturbance of the radioecological balance on the present and former military sites in Georgia as well as determining the degree of pollution of water reservoirs and soils of the Black Sea coast of Georgia with radionuclides as a results of th	Tbilisi Ivane Javakishvili State University	Oniani Jaba Ardevan	\$189 900							US:2 Canada:2 EU:2
Subtotal Regular Georgian Projects Approved:				\$4 957 516	\$538 961	\$0	€ 160 249	\$0	\$538 961	\$ 538961 €160249	
3284	Development of optimization methods to solve design and ecologically safe management problems in gas-and-oil industry	Institute of Cybernetics	Aida-zade Kamil Radjab ogly	\$198 000							US:2 Canada:2 EU:2
3319	Geophysical Prospecting Technology Development For Petroleum Search At Shelf Zones By Geoelectromagnetic Fields Scanning	Production Association of Geophysics and Engineering Geology of State Oil Company of Azerbaijan Republic (PA GEG SOCAR)	Novruzov Etibar Sejfulla	\$196 000							US:2 Canada:2 EU:2
3333	Nanostructural Trends In The Forming Of New Glassy-Like Materials For Optoelectronics	Institute of General and Inorganic Chemistry	Volkiv S V	\$195 250							US:2 Canada:2 EU:3
3336	Novel Catalytic Chalcogenide and Chalcogen Halide Compounds of Metals for Conversion of Methane or Synthesis Gas	Institute of General and Inorganic Chemistry	Pekhnyo V. I.	\$202 566							US:2 Canada:2 EU:2
3469	Elaboration of monocrystalline and films technology, doped of solid solution AIVBVI and tensosensors on their bases	Baku State University	Babanly Mahammad Baba	\$150 000							US:1 Canada:2 EU:2
3520	Bulk metallic glass precursors of the multicomponent shape memory alloys for enhanced and high-temperature applications	Institute of Metal Physics	Kolomytsev V. I.	\$263 054	\$263 054				\$263 054	\$ 263054	US:5 Canada:2 EU:1
3527	Biosynthesis of the oxygen - containing ergonomical additive for gasoline, diesel and biological fuel.	"Clean - Service" Small Private Enterprise	Klishyn Olexiy Mykolayovich	\$191 399	\$191 399				\$191 399	\$ 191399	US:5,4 Canada:2 EU:2

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2. Review Complete - No willingness to fund
3. Rewrite / resubmit - see comments
4. Resubmit - see comments

5. Approved with funding
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table 20th Governing Board Meeting 16 June 2005

#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
3528	The use of an oxygen - containing additive as an ecologically beneficial component of internal combustion engine fuel.	"Clean - Service" Small Private Enterprise	Klishyn Olexiy Mykolayovich	\$197 750							US:2 Canada:2 EU:2
3540	Electronic Navigator	Kiber Ltd Company	Pashayev Adalat Bakhtiyar oglu	\$164 994							US:2 Canada:2 EU:2
3561	Development of Marine Thermal Probe	Institute of Physics	Mukhtarov Abdulvahab Sharif	\$93 518							US:2 Canada:2 EU:1
3591	Autonomous wind-hydrogen station	"Pivdenne" State Design Office	Glazkov Vladyslav Olexandrovich	\$239 889							US:2 Canada:2 EU:2
3606	Development of geophysical monitoring for providing environmental safety	Production Association of Geophysics and Engineering Geology	Veliyev Gumbat Omar	\$237 473							US:2 Canada:2 EU:2
3619	Ternary phosphors for visualization and lighting	Institute of Physics	Musayeva Nahida Nazim gizi	\$56 140							US:2 Canada:2 EU:2
3625	Environmental security: monitoring fungal associates and disease survey of some hardwood species in Azerbaijan	Institute of Botany, Azerbaijan National Academy of Sciences	Aghayeva Dilzara N.	\$224 639	\$150 000				\$150 000	\$150000	US:5 Canada:2 EU:2
3626	Oil spill bioremediation	A.M.Guliyev Institute of Chemistry of Additives	Mammadova Pervin	\$199 908	\$199 908				\$199 908	\$199908	US:5 Canada:2 EU:2
Subtotal Regular Azerbaijan Projects Approved:				\$2 810 580	\$804 361	\$0	€ 0	\$0	\$804 361	\$ 804361 €0	
Subtotal Regular Projects Approved:				\$34 537 820	\$2 658 856	\$100 000	€ 1 162 859	\$256 095	\$3 014 951	\$ 3014951 €1162859	
P003fa	Scientific Protocol for the Study of Leukemia and Other Hematological Diseases Among Clean Up workers in Ukraine Following Chernobyl Accident	Center for Radiation Medicine of AMSU	Prof. Romanenko Anatoliy Yuhimovich	\$8 788	\$8 788				\$8 788	\$ 8788	US: Canada: EU:
P004g	Scientific Protocol for the study of thyroid cancer and other thyroid disorders in Ukraine following the Chornobyl accident	Institute of Endocrinology and Metabolism	Mykola Tronko	\$395 748	\$395 748				\$395 748	\$ 395748	US: Canada: EU:

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3. Rewrite / resubmit - see comments
4. Resubmit - see comments

5. Approved with funding
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table 20th Governing Board Meeting 16 June 2005

#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
P145a	Development of advanced graded erosion-resistant and thermal barrier coatings with prototypes of EB-PVD equipment	Paton Electric Welding Institute	Kostyantyn Yakovchuk	\$35 308		\$35 308			\$35 308	\$ 35308	US: Canada: EU:
P181	Structure, chemistry and biological activity of gossypol related compounds from cottonseed glands	A.S.Sadikov Institute of Bioorganic Chemistry	Bakhtiyar Ibragimov	\$300 000	\$300 000				\$300 000	\$ 300000	US: Canada: EU:
P192	Creation of experimental sample of X-ray Digital mammograph MDS-03	Radioprom Ltd.	Oleg Morgun	\$105 000		\$105 000			\$105 000	\$ 105000	US: Canada: EU:
P195	Experimental and analytical investigation of the rock cutting with CFC patented bits in a view to define the conditions providing bits non-stop self-rotation and rock effective drilling	V. N. Bakul Institute for Superhard Materials	Anatoly Maystrenko	\$31 500	\$31 500				\$31 500	\$ 31500	US: Canada: EU:
P198	Flash-Butt Welding; Technical Proving and Commercialization	Paton Electric Welding Institute	Valerij Kryvenko	\$455 000	\$455 000				\$455 000	\$ 455000	US: Canada: EU:
P199	Synthesis of fluorinated nitrogen containing heterocyclic compounds	Institute for Bioorganic Chemistry and Petrochemistry	Boris Drach	\$23 000	\$23 000				\$23 000	\$ 23000	US: Canada: EU:
P200	Synthesis of novel heterocyclic and fluoroorganic compounds	Institute of Organic Chemistry	Mykhaylo Vovk	\$43 000	\$43 000				\$43 000	\$ 43000	US: Canada: EU:
P204	Dual Filtered Cathodic Arc Source (DSFCA): Development and Manufacturing	Institute of Radiophysics and Electronics	Volodymyr Strelnytskiy	\$149 500	\$149 500				\$149 500	\$ 149500	US: Canada: EU:
P206	Development on the base of Tesseral software the 2D and 3D duplex wave migration theory, algorithms and a program for Linux cluster	Ukraine State Geological Exploration Institute	Naum Marmalevsky	\$381 717		\$381 717			\$381 717	\$ 381717	US: Canada: EU:
P210	Development of device for vibro-impact treatment of metals and research of its efficiency	Institute of Metal Physics	Georgiy Prokopenko	\$44 000		\$44 000			\$44 000	\$ 44000	US: Canada: EU:

1. Review Incomplete
2. Review Complete - No willingness to fund
3. Rewrite / resubmit - see comments
4. Resubmit - see comments

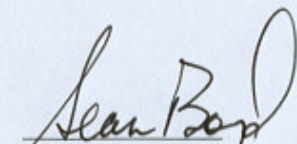
5. Approved with funding
6. Proj. Dev Grant awarded
7. N/A



**STCU Funding Table
20th Governing Board Meeting
16 June 2005**

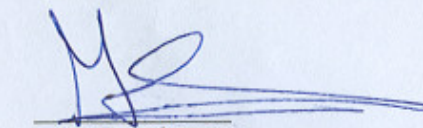
#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
P211	Theoretical Investigation of the Feasibility of PTD-Mediated Translocation of Proteins Across Artificial Membranes	Fund for scientists of molecular cybernetics and Informatics	Valeriy Kharkyanen	\$25,000	\$25,000				\$25,000	\$ 25000	US: Canada: EU:
P221	Marketing research and business plan for selected NSC KIPT technologies	"Kharkiv Institute of Physics and Technology" National Scientific Center	Oleksandr Ovcharov	\$57,000				\$57,000	\$57,000	\$ 57000	US: Canada: EU:
P222	TASHKENT INP TECHNOLOGIES APPLICATION MARKET RESEARCH	Institute of Nuclear Physics	Ilkham Sadikov	\$56,100				\$56,100	\$56,100	\$ 56100	US: Canada: EU:
Subtotal Partner Projects Approved:				\$2,110,661	\$1,431,536	\$566,025	€ 0	\$113,100	\$2,110,661	\$ 2110661 0	
TOTAL:				\$36,648,481	\$4,090,392	\$666,025	€ 1,162,859	\$369,195	\$5,125,612	\$ 5125612 € 1162859	


Mr. V. Alessi
USA
Board Member


Mr. S. Boyd
Acting Canadian
Board Member


Mr. Y. Yatskiv
Ukrainian
Board Member


Mr. Z. Stančić
EU Board Member
(for the European Commission)


Mr. H. Molenaar
EU Board Member
(for the EU Presidency)

1. Review Incomplete
2. Review Complete - No willingness to fund
3. Rewrite / resubmit - see comments
4. Resubmit - see comments

5. Approved with funding
6. Proj. Dev Grant awarded
7. N/A
8. Review complete - to be considered at next GBM