



STCU Funding Table
26th Governing Board Meeting
19 June 2008

#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
3509	GE	Tbilisi	New Effective Antisublimation Coats of Inorganic Vitreous Enamel Type for GeTe- and PbTe-Based Thermoelectric Alloys	I. Vekua Sukhumi Institute of Physics and Technology	\$159 666							US:2 Canada:1 EU:2
3767	GE	Tbilisi	Induction of systemic acquired resistance in conifers by saponin-bound 3-hydroxy-3-methylglutaric acid.	Tbilisi I. Javakhishvili State University	\$167 135							US:2 Canada:1 EU:2
3776	UA	Dnipropetrovsk	Data Processing and Optimal Control in Stochastic Dynamic Systems with Parametric Uncertainty	State Public Enterprise "M.K.Yangel Design Office "Pivdenne"	\$154 860							US:2 Canada:2 EU:2
3817	UZ	Tashkent	Investigation into the properties of carbonic nanocomposite materials subjected to a reactor's neutron irradiation.	Institute of Nuclear Physics	\$249 995							US:2 Canada:1 EU:2
3829(R)	AZ	Baku	Prevalence of HIV-associated opportunistic protozoan pathogens in patients, wild and synanthropic rodents	Institute of Zoology, Azerbaijan National Academy of Sciences	\$210 690							US:1 Canada:1 EU:2
3832	UA	Kyiv	Modernization of processing technology for pharmaceutical preparation Silics	Institute of Surface Chemistry	\$198 472		\$198 472			\$198 472	\$ 198472	US:2 Canada:5 EU:2
3927	UA	Kyiv	New functional materials on the base of nano- and microcomposites	Institute for Bioorganic Chemistry and Petrochemistry	\$264 531		\$264 531			\$264 531	\$ 264531	US:2 Canada:5 EU:2
3942	AZ	Baku	Population of the Gypsy Moth, Brown Tail and Lackey Moth outbreak in Azerbaijan	Institute of Zoology, Azerbaijan National Academy of Sciences	\$236 916							US:1 Canada:1 EU:2
3948	GE	Kutaisi	Development of New Effective Rubber Constructions Vibro-Absorption of Oscillations Using Air Dampers	Akaki Tsereteli State University	\$115 000							US:2 Canada:1 EU:2
3991	GE	Tbilisi	Development of evaluation system of constructions' strength criteria based on fiber-optical sensors	Georgian Technical University	\$148 500							US:2 Canada:1 EU:2
3998	AZ	Baku	Radio ecological survey of the soil of the territory of Baku city of Absheron peninsular	Institute for Space Research of Natural Resources	\$239 898		\$239 898			\$239 898	\$ 239898	US:2 Canada:5 EU:2
4012	UA	Sevastopol	Use of carbon nanostructures for hardening of the covers of thermal converters of nuclear reactors	Sevastopol Institute of Nuclear Energy and Industry	\$334 008			€ 214 782			€ 214782	US:2 Canada:2 EU:5

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

5. Approved for funding.
See comments
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table
26th Governing Board Meeting
19 June 2008

#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
4013	GE	Tbilisi	Hardening Refractory Transitive Metals by Ion-Implantation	I. Vekua Sukhumi Institute of Physics and Technology	\$196 630							US:2 Canada:1 EU:2
4073	MD	Chisinau	Creation of grapevine virus-free collection of local cultivars with resistance to environmental stress factors	National Institute for Viticulture and Enology	\$211 989			€ 136 319			€ 136319	US:2 Canada:2 EU:5
4104	UA	Kharkiv	New conducting and magnetic materials based on low-dimensional organic salts	V.N. Karazin Kharkiv National University	\$152 132							US:2 Canada:1 EU:2
4146	GE	Kutaisi	Reciprocating Internal Combustion Engine with Novel Converter of Reciprocating Motion into Rotary Motion of Shaft	Akaki Tsereteli State University	\$194 010							US:2 Canada:1 EU:2
4149	AZ	Baku	Creation of technology of preparation of fullerene-containing polyurethane coating	The Experimental-Industrial Plant of Y.H.Mamedaliyev Institute of Petrochemical Processes	\$280 000							US:1 Canada:1 EU:2
4153	UA	Kyiv	High-strength corrosion-resistant composite materials based on boron nitride and aluminosilicates	I.M. Frantsevich Institute of Problems of Materials Science	\$145 928							US:2 Canada:1 EU:2
4195	GE	Tbilisi	Development of novel technologies for processing of industrial wastes with obtaining of copper and gold	F. Tavadze Institute of Metallurgy and Material Sciences	\$148 998							US:2 Canada:1 EU:2
4207	UA	Kyiv	Long-term prognosis of behaviour of the fuel dust in Chernobyl Shelter	Ukrainian Institute of Agricultural Radiology of NAU	\$300 000							US:2 Canada:1 EU:2
4249	GE	Tbilisi	"Biosorbents against chemical contamination of soils" - creation of a new remediation technology	Durmishidze Institute of Biochemistry and Biotechnology	\$170 000							US:2 Canada:1 EU:2
4277	UA	Lviv	High-Reliable Nanostructured Thick-Film Spinel for Multifunctional Environment Sensors	Scientific Research Center "Carat"	\$76 736		\$76 736			\$76 736	\$ 76736	US:2 Canada:5 EU:2
4281	UA	Lviv	Elaboration of a test-system for investigation of molecular mechanisms of leucocyte aggregative ability in diabetes	Ivan Franko Lviv National University	\$150 000		\$150 000			\$150 000	\$ 150000	US:2 Canada:5 EU:2

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

5. Approved for funding.
See comments
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table

26th Governing Board Meeting

19 June 2008

#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
4287	GE	Tbilisi	Development of Novel Industrial Technology of Production Nanoscale and Amorphous metal powders by Electron-Beam Technology	Georgian Technical University	\$149 893							US:2 Canada:1 EU:2
4296	UA	Sevastopol	Study of the coastal marine and land ecosystems using multispectral space imagery	Marine Hydrophysical Institute	\$170 000							US:2 Canada:1 EU:2
4300	UA	Kyiv	UV-stable optically-transparent elastic polymer coatings for aerospace applications and protection of radio-electronic devices	Institute of Macromolecular Chemistry	\$100 960							US:2 Canada:1 EU:2
4302	UA	Kyiv	The RNA secondary structure role in HIV-1 replication: study by molecular genetics, phylogeny, and bioinformatics	Institute of Molecular Biology and Genetics	\$149 976			-€ 45 547			€ -45547	US:2 Canada:2 EU:5
4348	UA	Kyiv	Wind turbine for stand-alone consumer	Institute of Renewable Energy at NASU	\$123 919							US:2 Canada:1 EU:2
4352	UA	Kyiv	Studies of regularities of self-organization in nonequilibrium geophysical media and elaboration of technologies.	Institute of Geophysics by S.I.Subbotin name	\$199 000							US:1 Canada:1 EU:2
4353	UA	Kyiv	New molecular markers for typing, diagnostics and prognostics of epithelial and brain tumors	Institute of Molecular Biology and Genetics	\$150 032							US:2 Canada:1 EU:2
4395	GE	Tbilisi	Development of novel environmentally friendly, nontoxic, high-efficiency fire-extinguishing powders	G. Tsulukidze Mining Institute	\$120 000							US:2 Canada:1 EU:2
4402	UA	Kyiv	Deposition technology of Polyparaxylylene for OFET, OLED, medicine and delivery of installations to Germany	V.E. Lashkaryov Institute of Semiconductor Physics	\$128 686							US:2 Canada:1 EU:2
4403	UA	Kharkiv	Creation of methods and experimental means for radiation material engineering at heavy ion linear accelerators	National Science Center "Kharkiv Institute of Physics and Technology"	\$180 000							US:2 Canada:1 EU:2
4418	UA	Kyiv	Nanovoid-structured photorefractive amorphous media for information technologies	V.I. Vernadsky Institute of General and Inorganic Chemistry	\$99 720			€ 51 444			€ 51444	US:2 Canada:2 EU:5

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

5. Approved for funding.
See comments
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table

26th Governing Board Meeting

19 June 2008

#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
4423	GE	Tbilisi	Influence of contaminated by toxic metals environment on the health of children and teenagers	Georgian Technical University	\$167 331							US:2 Canada:1 EU:2
4424	UA	Kyiv	The study of the neuroprotective effect of a fluorine-containing compound in brain ischemia model	O.O. Bohomolets Institute of Physiology	\$55 578			€ 35 739			€ 35739	US:2 Canada:2 EU:5
4426	GE	Tbilisi	Development of preventional measures of Mn toxicity based on modeling of alive organisms	Chavchavadze State University	\$193 751							US:2 Canada:1 EU:2
4432	UA	Dnipropetrovsk	Elaboration of high activity catalysts for hydrocarbons conversion based on nanocrystal oxide systems including [ZrO ₂ -Sc,Gd,Ce]Re,Pt,Ni.	Ukrainian State Chemical and Technological University	\$143 704							US:2 Canada:1 EU:2
4440	UA	Odessa	Biosafety and biodefense training center organization	Ukrainian I. I. Mechnikov Anti-Plague Research Institute	\$360 000		\$360 000			\$360 000	\$ 360000	US:2 Canada:5 EU:2
4445	UA	Kharkiv	Development and investigations of the systems based on complex oxides for application in dosimetry	V.N. Karazin Kharkiv National University	\$263 216							US:2 Canada:1 EU:2
4452	UA	Chornobyl	Robot-technical complex for ChNPP on the base of robots of Ukraine and USA.	Institute for safety problems of nuclear power plants	\$239 650							US:1 Canada:1 EU:2
4455	GE	Tbilisi	Elaboration of technology and experimental device for obtaining drinking water from hydrogen sulphide natural water	G. Tsulukidze Mining Institute	\$149 168			€ 95 922			€ 95922	US:2 Canada:2 EU:5
4456	AZ	Baku	Method for early diagnosis of stroke, stroke type identification and prognosis of its neurological outcomes	Azerbaijan State Institute of advanced training for physicians	\$218 002			€ 16 076			€ 16076	US:2 Canada:2 EU:6
4459	GE	Tbilisi	Development of novel poly- and nanocrystal complex ferrite materials on the base of thermodynamic approach	Agladze Institute of Inorganic Chemistry and Electrochemistry	\$170 000							US:2 Canada:1 EU:2
4460	UA	Dnipropetrovsk	New Dynamics of Vertical Rotor	State Public Enterprise "M.K.Yangel Design Office "Pivdenne"	\$98 012							US:2 Canada:1 EU:3
4465	UA	Kyiv	New proton conducting membranes for fuel cells	National University of "Kyiv-Mohyla Academy"	\$275 073							US:2 Canada:1 EU:2

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

5. Approved for funding.
See comments
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table
26th Governing Board Meeting
19 June 2008

#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
4475	UA	Kyiv	Effects of Ionizing Radiation Owing to Chernobyl Accident on Breast Cancer Appearance	Institute of Physics	\$196 101			€ 126 102			€ 126102	US:2 Canada:2 EU:5
4481	UA	Kyiv	Complex nanomaterials for adsorption and catalysis and study of nanosized effects on their characteristics	Institute of Surface Chemistry	\$163 166			€ 104 923			€ 104923	US:2 Canada:2 EU:5
4484	UA	Lviv	Novel Test for Live Bovine Spongiform Encephalopathy (BSE) Diagnostics	Institute of Animal Biology UAAS	\$119 745							US:2 Canada:1 EU:2
4489	UA	Odessa	Development Of Solar Refrigerating And Conditioning Systems On The Basis Of An Open Absorption Cycle	Odessa State Academy of Refrigeration	\$145 000							US:2 Canada:1 EU:2
4495	UA	Kharkiv	New Biophotonic Method And Nanostructure Sensor Instrument For Diagnostics Of Tuberculosis Active Form	Kharkiv State Technical University of Radioelectronics	\$233 212			€ 149 966			€ 149966	US:2 Canada:2 EU:5
4508	AZ	Baku	Determination of Nonlinear Susceptibility of Matter	Baku State University	\$190 000							US:8 Canada:1 EU:2
4509	UA	Dnipropetrovsk	Creation uniform information space in association GUAM for remote scientific and technical cooperation and training	State Public Enterprise "M.K.Yangel Design Office "Pivdenne"	\$149 951			€ 96 425			€ 96425	US:2 Canada:2 EU:5
4514	UA	Kharkiv	A method of ecological research of water containing toxic cyanobacteria by holographic interference microscope	Institute for Scintillation Materials of the Institute for Single Crystals R&D Corporation	\$161 332							US:2 Canada:1 EU:2
4524	AZ	Baku	Development Of Film Varistors On The Basis Of Polymer And Zinc Oxide	Institute of Physics	\$49 997							US:1 Canada:1 EU:2
4534	UA	Kharkiv	New approaches to sensing and modulation of amyloid fibril assembly	V.N. Karazin Kharkiv National University	\$163 252			€ 104 978			€ 104978	US:2 Canada:2 EU:5
4540	AZ	Baku	Characterisation of fatal and neonatal growth factors on the normal and hazard ecological field	AZECOLAB LTD	\$270 478							US:1 Canada:1 EU:2
4561	GE	Tbilisi	Biological Plant Protection from Major Pest Insects in Urban Horticulture	L. Kanchaveli Research Institute of Plant Protection	\$200 000			€ 128 609			€ 128609	US:2 Canada:2 EU:5

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

5. Approved for funding.
See comments
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table
26th Governing Board Meeting
19 June 2008

#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
4568	UA	Kyiv	Investigation and evaluation of mineral components for protective layer of radioactive waste near-surface depositories	Institute of Geological Sciences	\$109 173			€ 70 203			€ 70203	US:2 Canada:2 EU:5
4580	GE	Tbilisi	Clinical and Molecular Epidemiology of Acute Gastroenteritis Caused by Viruses in Georgia	National Center for Disease Control & Public Health	\$161 225							US:2 Canada:1 EU:2
4584	UA	Lviv	Development of most efficient acoustooptic cell creation methodology for super-high-frequency control of powerful laser radiation	"Lvivska Polytechnica" National University	\$155 970			€ 100 296			€ 100296	US:2 Canada:2 EU:5
4588	UA	Kyiv	High-energy ions in tokamaks and stellarators: physics issues, diagnostics and plasma heating	Institute for Nuclear Research	\$178 344			€ 114 683			€ 114683	US:2 Canada:2 EU:5
4598	UA	Kharkiv	Cryogenic Nanoclusters In Open And Confined Geometry	B.I. Verkin Institute for Low Temperature Physics and Engineering	\$57 338							US:2 Canada:1 EU:2
4602	GE	Tbilisi	Benzimidazol and b-annealed Benzothiofen and/or Benzofuran-containing Systems with Aniviral Activity and for Struggle Against Tuberculosis	Georgian Technical University	\$82 000							US:2 Canada:1 EU:2
4687	UA	Kyiv	Engineering of permanent holographic gratings by vortex and speckle beams in solid and liquid crystals.	Institute of Physics	\$130 000		\$130 000			\$130 000	\$130 000	US:2 Canada:5 EU:2
4690	UA	Dnipropetrovsk	Automated System for Effective Forecasting of Formation and Fallout of Acid-Rains in a Region(Pilot Project)	Institute of Problems on Nature Management and Ecology of National Academy of Sciences of Ukraine	\$95 559							US:2 Canada:1 EU:2
4703	UA	Kharkiv	Development of the Beam Probe Diagnostics for Electric and Magnetic Fields Investigations in Fusion Plasmas	National Science Center "Kharkiv Institute of Physics and Technology"	\$268 925							US:2 Canada:1 EU:2
4735	UA	Lviv	Methods and instruments for high-frequency and quasi-stationary magnetic field measurements at fusion reactors.	"Lvivska Polytechnica" National University	\$294 000							US:2 Canada:1 EU:2
Subtotal Regular Projects Approved:					\$11 986 533	\$0	\$1 419 637	€ 1 500 920	\$0	\$1 419 637	\$ 1419637 €1500920	

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

5. Approved for funding.
See comments
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table
26th Governing Board Meeting
19 June 2008

#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
4653	GE	Tbilisi	New Terahertz Integrated Sources	Tbilisi I. Javakishvili State University	\$50 000	\$12 500	\$12 500			\$25 000	\$ 25000	US:5 Canada:5 EU:2
4654	GE	Tbilisi	Use of Deep Earth Crust Thermal Energy for Socio-economic Development of Georgia	Institute of Hydrogeology and Engineering Geology	\$49 243							US:2 Canada:1 EU:2
4655	GE	Tbilisi	Processing of the Hightemperature Heliothermoelctrogenerator and Creation of the Signal Sample	I. Vekua Sukhumi Institute of Physics and Technology	\$49 854	\$12 500	\$12 500			\$25 000	\$ 25000	US:5 Canada:5 EU:2
4656	GE	Tbilisi	The role of wakefulness in formation of need for sleep phases	Chavchavadze State University	\$50 000							US:2 Canada:1 EU:2
4657	GE	Tbilisi	Electrophysiological Approach to the Problem of Visual Recognition Memory	Research Center for Experimental Neurology	\$50 000							US:2 Canada:1 EU:2
4658	GE	Tbilisi	Application of nanotechnologies to prevent or hinder the progress of breast cancer	Tbilisi I. Javakishvili State University	\$49 997							US:2 Canada:1 EU:2
4659	GE	Kutaisi	Environmental complex monitoring system studying, informational database organization, guaranteeing the accessibility of contemporary communication sources	Kutaisi Technical University	\$50 000							US:2 Canada:1 EU:2
4660	GE	Tbilisi	The protective role of edible plant-derived extracts on age-related immune dysfunction.	Tbilisi State Medical University	\$49 500		\$12 375	€ 7 958		\$12 375	\$ 12375 € 7958	US:2 Canada:5 EU:5
4661	GE	Tbilisi	Plants flavonoids: biochemical specificity and physiological effects	Tbilisi I. Javakishvili State University	\$50 000							US:2 Canada:1 EU:2
4662	GE	Tbilisi	Development of methods of intensification of the process of fermentation in biogas installations	Llepl - Ferdinand Tavadze Institut Of Metallurgy And Materials Science	\$46 308							US:2 Canada:1 EU:2
4663	GE	Tbilisi	Numerical modeling of Geothermal deposits for creation of energy efficient system	Seismic Monitoirng Center	\$46 452							US:2 Canada:1 EU:2
4664	GE	Tbilisi	Characterization of Campylobacter Isolates from Animal Sources and Usage of Bacteriophages for Control of Infection	Georgian State Agriculture University	\$49 940							US:2 Canada:1 EU:2

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

5. Approved for funding.
See comments
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table
26th Governing Board Meeting
19 June 2008

#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
4665	GE	Tbilisi	Innovational Application of Pulse Technology in Microbial Biotechnology	Durmishidze Institute of Biochemistry and Biotechnology	\$50 000	\$12 500	\$12 500			\$25 000	\$ 25000	US:5 Canada:5 EU:2
4666	GE	Tbilisi	Analysis of Cultivated and Wild Caucasian Grape Using Highly Variable Chloroplast and Nuclear DNA Sequences	Durmishidze Institute of Biochemistry and Biotechnology	\$50 000	\$12 500	\$12 500			\$25 000	\$ 25000	US:5 Canada:5 EU:2
4667	GE	Tbilisi	Investigation into influence of the Electromagnetic fields utilized in GSM communications on the single neuron	A. Eliashvili Institute of Control Systems	\$50 000							US:2 Canada:1 EU:2
4668	GE	Tbilisi	ILL-Conditioned Manganum Ores and Concentrate Condition Lead with Microbiological Ecologically Pure Method	F. Tavadze Institute of Metallurgy and Material Sciences	\$50 000							US:2 Canada:1 EU:2
4669	GE	Tbilisi	Improvement of Informational Productivity of Digital Systems of Transmission	Georgian Technical University	\$50 000	\$25 000				\$25 000	\$ 25000	US:5 Canada:2 EU:2
4670	GE	Tbilisi	Synthesis and nanostructure investigation of Gallium new coordination compounds on the basis of bioactive ligands	Georgian Technical University	\$49 924							US:2 Canada:1 EU:2
4671	GE	Tbilisi	Hydrogen production from water by thermochemical method with solar-power utilization	Agladze Institute of Inorganic Chemistry and Electrochemistry	\$50 000							US:2 Canada:1 EU:2
4672	GE	Tbilisi	Efficiency Improvement for Solar Electric Plant with New Optical Concentrators	Institute of Mining	\$49 900							US:2 Canada:1 EU:2
4673	GE	Tbilisi	Development of Technology for Obtaining Multicomponent Dragee Compositions by the Use of Nitrogen-Fixing Bacterium	Institute of Physical and Organic Chemistry	\$50 000							US:2 Canada:1 EU:2
4674	GE	Tbilisi	Plants as tools for control and remediation of environment polluted by organochlorine toxicants	Durmishidze Institute of Biochemistry and Biotechnology	\$50 000		\$25 000			\$25 000	\$ 25000	US:2 Canada:5 EU:2
4677	GE	Tbilisi	Elaboration of Novel Photocatalytic and Electrolytic Methods of Hydrogen Production for Use in Hydrogen Energetic	R. Dvali Institute of Machine Mechanics	\$50 000			€ 16 076			€ 16076	US:2 Canada:2 EU:5

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

5. Approved for funding.
See comments
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table

26th Governing Board Meeting

19 June 2008

#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
4678	GE	Tbilisi	Mechanisms of Influence of Bioregulators, Porphyrins and Low Level Laser Irradiation on Cells with Hemoblastosis	E. Andronikashvili Institute of Physics	\$49 998							US:2 Canada:2 EU:2
4912	UA	Kyiv	Magnetotunable Nanostructures With A Negative Refractive Index In Millimeter And Submillimeter Wavebands	Institute of Magnetism under NAS and MES of Ukraine	\$100 000	\$25 000		€ 16 076		\$25 000	\$ 25000 € 16076	US:5 Canada:2 EU:5
4913	UA	Kharkiv	Use of carbon fibers and carbon nanostructures in cell biology and tissue engineering	Institute for Problems of Cryobiology and Cryomedicine	\$101 264		\$50 632			\$50 632	\$ 50632	US:2 Canada:5 EU:2
4914	UA	Kyiv	Novel nanostructured composite materials based on mesomorphic metal alkanoates for electronic and photonic information systems	V.I. Vernadsky Institute of General and Inorganic Chemistry	\$99 750			€ 32 072			€ 32072	US:2 Canada:2 EU:5
4915	UA	Kyiv	The Polypropylene Nano - Filled Microfibrous Materials For Filters	Institute of Surface Chemistry	\$99 000							US:2 Canada:1 EU:2
4916	UA	Kyiv	Surface plasma waves in quantum-size structures as a source of THz electromagnetic radiation	V.E. Lashkaryov Institute of Semiconductor Physics	\$100 000							US:2 Canada:1 EU:2
4917	UA	Kyiv	Gradient nanostructure formation in Ti-based alloys by deformation	V. N. Bakul Institute for Superhard Materials	\$99 632							US:2 Canada:1 EU:2
4918	UA	Kharkiv	Bionanocomposites with charge transfer between biomolecules and nanomaterials: development and new mass spectrometric control methods	B.I. Verkin Institute for Low Temperature Physics and Engineering	\$99 998	\$16 666	\$16 666	€ 10 718		\$33 332	\$ 33332 € 10718	US:5 Canada:5 EU:5
4919	UA	Kyiv	Investigation of magnetic properties of ferromagnetic nanoparticles immobilized in carbon matrix	G.V. Kurdyumov Institute for Metal Physics	\$100 000	\$50 000				\$50 000	\$ 50000	US:5 Canada:2 EU:2
4920	UA	Sumy	Multipurpose composite materials based on hydrogel nanoreactors with incorporated nanocrystals of hydroxyapatite and noble metals	Institute of Applied Physics	\$100 000							US:2 Canada:1 EU:3
4921	UA	Kyiv	Application of agricultural and forestry residues as a fuel in sintering technologies for iron ores	Gas Institute	\$100 000			€ 32 152			€ 32152	US:2 Canada:2 EU:5

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

5. Approved for funding.
See comments
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table
26th Governing Board Meeting
19 June 2008

#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
4922	UA	Lviv	Development of theoretic-experimental methods for resource prediction and operating monitoring of power equipment elements	Karpenko Institute of Physics and Mechanics	\$100 000							US:2 Canada:1 EU:2
4923	UA	Kyiv	Investigation of Biomass Fast Pyrolysis to Increase the Yield and Quality of Liquid Fuel	Institute of Engineering Thermophysics	\$117 354							US:2 Canada:1 EU:2
4924	UA	Kharkiv	Energy Chemical Technologies Of Emission Reduction By Industrial Plants	A.M. Pidhorny Institute of Mechanical Engineering Problems	\$99 416							US:2 Canada:1 EU:1
4925	UA	Kharkiv	Investigation of prospect for bulk amorphous and nanocrystalline alloys to be mirror materials for DEMO	Institute of Plasma Physics of the National Science Center "Kharkiv Institute of Physics and Technology"	\$58 290							US:2 Canada:1 EU:2
4926	UA	Kyiv	Modeling of transient heat conductivity processes, practical application of the seasonal accumulators of solar energy	Institute of Engineering Thermophysics	\$100 000							US:2 Canada:1 EU:2
4927	UA	Kyiv	Development of selective sorption-membrane methods 90Sr and 137Cs removal from polluted solutions of nuclear objects	V.I. Vernadsky Institute of General and Inorganic Chemistry	\$100 000			€ 32 152			€ 32152	US:2 Canada:2 EU:5
4928	UA	Kyiv	Grid technologies for multi-source data integration	Space Research Institute under NAS and National Space Agency	\$100 000	\$50 000				\$50 000	\$ 50000	US:5 Canada:2 EU:2
4929	UA	Kyiv	Application of grid-resource for total analysis of beta-tubulin spatial structure features causing a different sensitivity to benzimidazoles	Institute of Cell Biology and Genetic Engineering	\$100 000			€ 32 152			€ 32152	US:2 Canada:2 EU:5
4930	UA	Kyiv	Applying the GRID-technology for making complex calculations in the condense matter physics and nanophysics	G.V. Kurdyumov Institute for Metal Physics	\$100 000			€ 32 152			€ 32152	US:2 Canada:2 EU:5
4931	UA	Kyiv	Studying of molecular thrombin-inhibitor complexes by means of MALDI TOF mass spectrometry	Institute for Bioorganic Chemistry and Petrochemistry	\$100 008							US:2 Canada:1 EU:2
4932	UA	Kyiv	In silico design and synthesis of compounds with antituberculous activity on the base of their structural interaction with FtsZs.	Institute of Cell Biology and Genetic Engineering	\$100 000			€ 32 152			€ 32152	US:2 Canada:2 EU:5

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

5. Approved for funding.
See comments
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table

26th Governing Board Meeting

19 June 2008

#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
4933	UA	Kyiv	Low-toxicity platinum metal phosphonates as anticancer target drugs.	R.E. Kavetsky Institute of Experimental Pathology, Oncology and Radiobiology	\$99 547							US:2 Canada:1 EU:2
4934	UA	Kyiv	Ecologically safe marker systems for transgenic plant selection based on mutant tubulin genes	Institute of Cell Biology and Genetic Engineering	\$100 000							US:2 Canada:1 EU:2
4935	UA	Kyiv	The Design of Immunotest systems for Express Diagnostics of Human Thrombosis.	O.V. Palladin Institute of Biochemistry	\$100 000							US:2 Canada:2 EU:2
4936	UA	Kyiv	Development of fluorescent dyes for specific detection of amyloid protein nanostructures causing neurodegenerative diseases	Institute of Molecular Biology and Genetics	\$100 000	\$50 000				\$50 000	\$ 50000	US:5 Canada:2 EU:2
Subtotal Targeted R&D Init. Projects Approved:					\$3 665 375	\$266 666	\$154 673	€ 243 660	\$0	\$421 339	\$ 421339 €243660	
TOTAL						\$266 666	\$1 574 310	€ 1 744 580	\$0	\$1 840 976		
P034G	UA	Kyiv	Energetic ions in toroidal fusion devices	Institute for Nuclear Research	€ 24 000			€ 24 000			€ 24000	
P143B	UA	Kyiv	Cost-Effective Production of Powder Metallurgy Titanium Components for High-Volume Commercial Applications	Institute for Metal Physics	\$250 000	\$250 000				\$250 000	\$ 250000	
P209A	UA	Kyiv	Coatings Research and Development Program	Institute for Sorption and Problems of Endoecology	\$476 990	\$476 990				\$476 990	\$ 476990	
P237	UA	Kyiv	Ultrasonic probe design and prototype manufacturing	SpecTechMach (STM Co.)	€ 63 000			€ 63 000			€ 63000	
P250B	UA	Kyiv	Development of Lightning Strike Protection System for Aircraft Components Made of Polymer Composite Materials With Use of the Woven Copper Meshes and Nano-Structural Modifying Agents	I.M. Frantsevich Institute of Problems of Materials Science	\$157 500	\$157 500				\$157 500	\$ 157500	
P270C	UA	Kyiv	Research of weldability for high-strength aluminium alloys designed for aircraft wing structures	E.O. Paton Electric Welding Institute	\$23 416				\$23 416	\$23 416	\$ 23416	
P278A	UA	Kharkiv	Stand for Quasioptical Researches SQR - 110/1	O.Ya. Usikov Institute of Radiophysics and Electronics	€ 18 900			€ 18 900			€ 18900	
P315	UA	Kyiv	Development of tools for cutting Ti 5553 alloy	I.M. Frantsevich Institute of Problems of Materials Science	\$21 000	\$21 000				\$21 000	\$ 21000	

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

5. Approved for funding.
See comments
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table

26th Governing Board Meeting

19 June 2008

#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
P316	UA	Mykolaiv	Electrohydraulic Forming of Sheet Metal for Automotive Applications (PNNL-T2-277)	Institute of Pulse Research and Engineering	\$488 000	\$488 000				\$488 000	\$ 488000	
P319	UA	Kyiv	Chornobyl Research and Service Project (CRSP)	Research Center for Radiation Medicine	\$176 450	\$176 450				\$176 450	\$ 176450	
P322	UA	Sevastopol	Synergies between science and society for a shared approach to european seas (4seas)	Institute of Biology of Southern Seas	\$325 000	\$325 000				\$325 000	\$ 325000	
P325	UA	Sevastopol	European Network for Coastal Research -ENCORA-TTC	Marine Hydrophysical Institute	€ 80 000			€ 80 000			€ 80000	
P326	UA	Kharkiv	Establishing a fabrication facility to produce nonpolluting energy-saving vacuum disperse material	Institute of Physics and Technology"	\$510 000	\$510 000				\$510 000	\$ 510000	
P335	UA	Kharkiv	Organization of metal manufacture of Zirconium in Ukraine: Preliminary market research	Institute of Physics and Technology"	\$90 000	\$90 000				\$90 000	\$ 90000	
P343	UA	Kharkiv	Establishment of the enterprise for production of deactivation cleaner.	Institute of Physics and Technology"	€ 84 000			€ 84 000			€ 84000	
P349	UA	Kharkiv	Method of obtaining confectionary fats via enzymatic inesterification using ethyl esters of fatty acids	Technical University "Kharkiv Polytechnical Institute"	\$9 897				\$9 897	\$9 897	\$ 9897	
P350	UA	Kyiv	Development and delivery the electron beam welding machine for manufacture big sizes drill bits	Electric Welding Institute	\$9 900				\$9 900	\$9 900	\$ 9900	
P351	UA	Kyiv	Phase Diagrams and Conductivity Studies of Lithium-Sulfur Electrochemical Cells	Interagency Department of Electrochemical Energy Systems	\$9 900				\$9 900	\$9 900	\$ 9900	
P353	UA	Dnipropetrovsk	Marketing Research for Payload Capabilities Trade-off of a New Light Class Launch Vehicle	SDO "Yuzhnoye" (Yuzhnoye)	\$210 000	\$210 000				\$210 000	\$ 210000	
P355	UA	Kyiv	New ways of beam coupling enhancement in low-symmetry photorefractive crystals	Institute of Physics	\$1 125 600	\$1 125 600				\$1 125 600	\$ 1125600	
P360	UA	Kyiv	Improved Biological and Chemical Delivery Vehicle for Optimum Use of Soil Microflora	Institute of microbiology and virology	\$49 478	\$49 478				\$49 478	\$ 49478	

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

5. Approved for funding.
See comments
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table 26th Governing Board Meeting 19 June 2008

#	Country Code	City	Full Title	Leading Institution	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
P362	UA	Kyiv	Regional evaluation of mining-related metals contamination, risks, and innovative remediation technologies in Ukraine and Georgia	Polytechnical Institute"	€ 91 947			€ 91 947			€ 91947	
Subtotal Partner Projects Approved:					\$ 3,933,131 € 361,847	\$3 880 018	\$0	€ 361 847	\$53 113	\$3 933 131	\$ 3933131 € 361847	
TOTAL:					\$ 20,395,548 € 361847	\$4 146 684	\$1 574 310	€ 2 106 427	\$53 113	\$5 774 107	\$ 5774107 € 2106427	


Mr. V. Alessi
USA
Board Member


Ms. A. Pollack
Canadian
Board Member


Mr. M. Strikha
Ukrainian
Board Member


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


Mr. M. Prišlan
EU Board Member
(for the EU Presidency)

EU comments :

4012	The execution of the first in-pile test is essential. Please seek actively the collaboration of a European fuel supplier.
4296	Cofinancing from Ukraine for this project would be most welcome.
4418	It is important that the project team assures the long term sustainability for this important research, especially by looking for other funding sources. Sufficient travel budget should be assured within the project.
4455	The project should be planned for three years instead of two, leaving the total STCU contribution unchanged.
4456	Project Development Grant to win additional collaborators and to redefine list of biomarkers. Recent studies have shown that some of the biomarkers proposed for study in the project are ineffective.
4460	The project would be interesting with a real application or collaborator, especially for non-vertical rotors or for vertical rotors not related to rocket engines.
4495	The project team should seek the active collaboration of a clinical microbiology specialist
4588	Adjust the budget so that travel will be possible also in the third year.
4677	The budget should be rearranged to allow appropriate travel.
4703	Can co-fund with 50% if the Ukrainian Government decides that instrumentation is important and co-funds with 50%.
4735	An EU contribution is possible for 25% of the budget.
4920	The proposal should be rewritten with more realistic and limited objectives. More details should be presented on the chemistry with preliminary results. The proposal should also give references to related scientific publications by the team.
4927	Should add EU collaborators
4932	Should add EU collaborators

US comments:

4655	Project Needs US Collaborators
4665	Project Needs US Collaborators
4669	Project Needs US Collaborators
4936	Project Needs US Collaborators

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

5. Approved for funding.
See comments
6. Proj. Dev Grant awarded
7. N/A