



STCU Funding Table  
Governing Board Meeting  
15 November 2007

Project Number	#	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
3115	3115	UA	Kyiv	Technology development for production wear-resistant powder tool steels using specific treatment metal melt	I.M. Frantsevich Institute of Problems of Materials Science	\$124,970							US:2 Canada:2 EU:2
3168	3168	UZ	Ulugbek	The device of automatic monitoring of the central hemodynamics	Institute of Nuclear Physics	\$161,964							US:2 Canada:2 EU:2
3240	3240	GE	Tbilisi	Medium-Carbon Bainitic Steels for The Achievement of High-Strength State	Georgian Technical University	\$199,654							US:2 Canada:2 EU:2
3346	3346	UA	Kharkiv	Experimental installation for study of thermal hydraulic processes in two-phase mechanically pumped loop.	(N.Ye. Zhukovskiy) National Aerospace University "Kharkiv Aviation Institute"	\$150,000							US:2 Canada:2 EU:2
3356	3356	UA	Paulograd	Researches of processes obtaining mineral fibres in plasma flow and creation of experimental equipment	"AS" Industrial Commercial Private Enterprise	\$459,995							US:2 Canada:2 EU:2
3464	3464	UA	Lviv	The vacuum - ozone machine for washing utensils and clearing of medical materials of viruses	Collective scientific and industrial enterprise " Karpaty - Tformobyl "	\$102,289			€ 71,000			€ 71000	US:2 Canada:2 EU:5
3509	3509	GE	Tbilisi	New Effective Antisublimation Coats of Inorganic Vitreous Enamel Type for GeTe- and PbTe-	I. Vekua Sukhumi Institute of Physics and Technology	\$159,666							US:2 Canada:1 EU:2
3576	3576	UA	Kyiv	Investigation of defect-free conditions for superalloy ingots manufacturing	E.O. Paton Electric Welding Institute	\$100,360							US:2 Canada:2 EU:2
3623	3623	UA	Lviv	Development of Nanotechnologies for Highly Efficient Integrated-Optics and Quantum Structures	Institute of Physical Optics, Ukraine, Lviv	\$201,118		\$201,118			\$201,118	\$ 201118	US:2 Canada:5 EU:2
3724	3724	GE	Tbilisi	Conductive polymer nanocomposites for use in electro-technical devices that are stable in aggressive	R. Dvali Institute of Machine Mechanics	\$197,529							US:2 Canada:2 EU:2

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3727	3727			Magnetic Field Controlled Extra-High-Frequency and Optical Devices	O.Ya. Usikov Institute of Radiophysics and Electronics, Ukraine, Kharkiv	\$242,670		\$15,000	€ 10,412		\$15,000	\$ 15000 € 10412	US:2 Canada:6 EU:6
3776	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:7
3799	3799	UA	Ivano-Frankivsk	Electrochemical systems for transformation and direct accumulation of sun energy, based on intercalation	V. Stefanyk Precarpathian University	\$164,280							US:2 Canada:2 EU:2
3813	3813	UA	Dnipropetrovsk	Biological conversion of vegetable wastes.	Ukrainian State Chemical and Technological University	\$195,214							US:2 Canada:2 EU:2
3817	3817	UZ	Tashkent	Investigation into the properties of carbonic nanocomposite materials subjected to a reactor's	Institute of Nuclear Physics	\$249,995							US:2 Canada:1 EU:2
3832	3832	UA	Kyiv	Modernization of processing technology for pharmaceutical preparation Silics	Institute of Surface Chemistry	\$198,472							US:2 Canada:2 EU:2
3856	3856	UA	Dnipropetrovsk	Measurements of Earth Gravitational Field by Satellite Navigation Systems	State Public Enterprise "M.K.Yangel Design Office "Pivdenne"	\$166,743			€ 115,737			€ 115737	US:2 Canada:2 EU:5
3927	3927	UA	Kyiv	New functional materials on the base of nano- and microcomposites	Institute for Bioorganic Chemistry and Petrochemistry	\$264,531							US:2 Canada:2 EU:2
3931	3931	UA	Kyiv	Phase equilibria and properties of materials in the systems with CeO <sub>2</sub> , ZrO <sub>2</sub> (HfO <sub>2</sub> ) and REO for	I.M. Frantsevich Institute of Problems of Materials Science	\$230,915							US:2 Canada:2 EU:2
3957	3957	UZ	Tashkent	Processing of Biomedical Information for Monitoring of Disease Evolution: Prediction and Risk Analysis	The Scientific Research Institute "Algorithm - Engineering" of AS RUZ	\$115,000							US:2 Canada:2 EU:2

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3959	3959	UA	Dnipropetrovsk	Power-saving complex for heat and water provision to villas, farms and country cottages	State Public Enterprise "M.K.Yangel Design Office "Pivdenne"	\$119,381			€ 82,863			€ 82863	US:2 Canada:2 EU:5
3962	3962	UA	Kyiv	The power-generating set for the electric vehicle with hydrogenous fuel element	National Technical University of Ukraine "Kyiv Polytechnical Institute"	\$127,621							US:2 Canada:2 EU:2
3966	3966	UA	Kharkiv	R&D of Single and Multidetector Modules and Array Detectors for Compton and Positron Emission	Scientific Research Technological Institute for Instrument Engineering	\$170,095			€ 118,064			€ 118064	US:2 Canada:2 EU:5
3969	3969	UA	Kharkiv	New neutron absorber composites and elements for power reactors and spent nuclear fuel storage facilities	National Science Center "Kharkiv Institute of Physics and Technology"	\$1,321,297							US:2 Canada:2 EU:2
3979	3979	UA	Kharkiv	Studies of electromagnetic radiation mechanism in Roentgen and submillimeter region from electric	O.Ya. Usikov Institute of Radiophysics and Electronics, Ukraine, Kharkiv	\$120,404		\$120,404			\$120,404	\$ 120404	US:2 Canada:5 EU:2
3980	3980	UA	Kyiv	Creation of automated environmental and microbiological monitoring station with goal of eventual	Gromashevsky Institute of Epidemiology and Infectious Diseases	\$199,770							US:2 Canada:2 EU:2
3984	3984	UA	Kyiv	Solar collectors on the basis of heat pipes for water heating: development, manufacturing, investigations	I.M. Frantsevich Institute of Problems of Materials Science	\$199,687	\$199,687				\$199,687	\$ 199687	US:5 Canada:2 EU:2
3987	3987	GE	Tbilisi	The Novel Bioconversion System for Energy and Single-Cell Protein Combined Production from Organic	National High Technology Centre of Georgia	\$290,000							US:2 Canada:2 EU:2
3988	3988	UA	Lviv	Radiation hard Hall Probes and devices for JET	"Lvivska Polytechnica" National University	\$64,640			€ 44,867			€ 44867	US:2 Canada:2 EU:5
3991	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

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3993	3993	GE	Tbilisi	New method of obtaining pollution-free fuel on the basis of petroleum and gas.	I. Vekua Sukhumi Institute of Physics and Technology	\$293,600							US:2 Canada:2 EU:2
3994	3994	UA	Simferopol	Immunosuppressive fibres of Yersinia pestis	Crimean State Medical University	\$160,392							US:2 Canada:2 EU:2
3996	3996	AZ	Baku	ECOLOGICAL INFLUENCE OF TECHNOGENIC/NATURAL PHYSICAL FIELDS IN THE	Institute of Radiation Problems	\$270,700							US:2 Canada:2 EU:2
3997	3997	GE	Tbilisi	R & D on Bulk Semiconductor Crystals and Epitaxial Structures Based on Si-Ge Alloys	I. Vekua Sukhumi Institute of Physics and Technology	\$296,100		\$296,100			\$296,100	\$ 296100	US:2 Canada:5 EU:2
3998	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							US:2 Canada:2 EU:2
4007	4007	UA	Lviv	Technology for the production of anisotropic nanocrystalline samarium-cobalt alloys powders and	Karpenko Institute of Physics and Mechanics	\$260,000							US:2 Canada:2 EU:2
4017	4017	AZ	Baku	The development of a new transport system based on positively charged trans-membrane channels.	Institute of Botany National Academy of Sciences of Azerbaijan Republic	\$271,814							US:2 Canada:2 EU:2
4019	4019	AZ	Baku	The electronic navigator for helicopter at the low visibility	Institute of Information Technologies	\$241,464							US:2 Canada:2 EU:2
4054	4054	UA	Kharkiv	Microwave method and instrumentation for on-line examination of blading system of electric power	O.Ya. Usikov Institute of Radiophysics and Electronics	\$171,464							US:2 Canada:2 EU:2
4055	4055	GE	Tbilisi	Heavy metal compounds in epilepsy - effects of mono- and combined therapy	Tbilisi State University, Department of Science, Institute of Biology	\$160,320							US:2 Canada:2 EU:2

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4064	4064	GE	Tbilisi	Development of Novel Boron Semiconductor Nanoelements for Temperature Sensors	Georgian Technical University	\$84,844							US:2 Canada:2 EU:2
4065	4065	UA	Kharkiv	Creation of ultrasound scanner's prototype with monopulse aperture-modulated signals use and	"Radmir" company, the subsidiary of NIIRI JSC	\$150,800							US:2 Canada:2 EU:2
4069	4069	AZ	Baku	INVESTIGATION OF ETHANOL CONVERSION OVER COMPLEX OXYDE CATALYSTS INTO	ELKO	\$280,936							US:2 Canada:2 EU:2
4076	4076	MD	Chisinau	Evaluation and selection of valorous genotypes of aromatic plants for creation the diseases-free	Institute of Genetics of the Academy of Sciences of Moldova	\$193,311							US:2 Canada:2 EU:2
4079	4079	UA	Kyiv	Carbon-polymer composite materials	Kyiv Taras Shevchenko University	\$220,201							US:2 Canada:2 EU:2
4080	4080	UA	Kyiv	Development of an array of quantum NEM devices produced by self-assembling technique	V.E. Lashkaryov Institute of Semiconductor Physics	\$244,501			€ 169,710			€ 169710	US:2 Canada:2 EU:5
4082	4082	MD	Chisinau	Synergetical paradigm of research and innovation system in Republic Moldova in conditions of European	State University of Moldova	\$209,161			€ 145,180			€ 145180	US:2 Canada:2 EU:5
4093	4093	MD	Chisinau	Elaboration of methods for plant productivity and resistance increase in conditions of anthropogenic	Institute of Plant Physiology (Academy of Sciences of Moldova)	\$161,063							US:2 Canada:2 EU:2
4101	4101	AZ	Baku	Prevention of mutagenic changes in animal tissues through elevating serotonergic system activity	Institute of Physiology n.a. A.I.Karaev, National Academy of Sciences.	\$135,952							US:2 Canada:2 EU:2
4117	4117	UA	Kyiv	Laser assisted deposition technology of organic nano-composite film for sensor	V.E. Lashkaryov Institute of Semiconductor Physics	\$131,754							US:2 Canada:2 EU:2

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4127	4127	UA	Kyiv	"Development of technology of nanocoatings deposition and creation of new composite materials".	V.E. Lashkaryov Institute of Semiconductor Physics	\$150,000							US:2 Canada:2 EU:2
4143	4143	AZ	Baku	Usage high dense ciliates culture as fish larvae food and purification of sewage	Ecological Innovation Center of Azerbaijan Republic	\$238,624							US:2 Canada:2 EU:2
4158	4158	UA	Kyiv	Hybrid catalytic membrane reactors for water purification and disinfection	A.V. Dumansky Institute of Colloid Chemistry and Water Chemistry	\$259,581							US:2 Canada:2 EU:2
4161	4161	AZ	Baku	Development of treatment technology by means of various oxidants for oil polluted soils.	BT Texno Servis	\$192,600							US:2 Canada:2 EU:2
4170	4170	GE	Tbilisi	Novel Indol-containing Condensed Tetracyclic Systems with Promising High Antitubercular and Antiviral	Georgian Technical University	\$249,340		\$249,340			\$249,340	\$ 249340	US:2 Canada:5 EU:2
4171	4171	AZ	Baku	Application of nanotechnology in the prevention of suppurative inflammatory processes in	Chair of " Chemical physics of nanomaterials " Baku State University	\$225,000							US:2 Canada:2 EU:2
4190	4190	UA	Dnipropetrovsk	The Elaboration of the Scientific Fundamentals of Coal Gasification by Methods of the Electrical Stimulation	"Yuzhnoye" State Design Office	\$204,764							US:2 Canada:2 EU:2
4202	4202	UA	Kyiv	Methane in Donetsk coal basin: formation mechanisms and precipitation kinetics	G.V. Kurdyumov Institute for Metal Physics	\$221,960			€ 154,064			€ 154064	US:2 Canada:2 EU:5
4210	4210	MD	Chisinau	High - performance II-VI based Solar Cells manufacturing by laser assisted technique	State University of Moldova	\$230,000							US:2 Canada:2 EU:2
4211	4211	GE	Tbilisi	Development of Technology for "Cold" Synthesis of Nitric Nutrients and Production of Novel Fertilizers	Private Entrepreneur "Yuri Ramazashvili", Scientific-Research Laboratory "Pulse Technology"	\$165,283			€ 114,724			€ 114724	US:2 Canada:2 EU:5

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4217	4217	GE	Tbilisi	Reduction of Pollution of Rivers and Sea Coastal Zone by influence of Advanced Agricultural Technologies	I. Vekua Institute of Applied Mathematics at Tbilisi State University	\$132,575							US:2 Canada:2 EU:2
4221	4221	UA	Kharkiv	New optical materials on the basis of nanostructured borate glass ceramics	Institute for Single Crystals R&D Corporation	\$153,844							US:2 Canada:2 EU:2
4223	4223	UA	Lviv	"New materials and technologies for nuclear plant steam generator and condenser life time	Karpenko Physico-Mechanical Institute	\$99,476							US:2 Canada:2 EU:2
4231	4231	UA	Kharkiv	Bactericidal coverings for orthopedy and traumatology.	National Science Center "Kharkiv Institute of Physics and Technology"	\$245,227			€ 170,214			€ 170214	US:2 Canada:2 EU:5
4249	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
4258	4258	UA	Kyiv	PSEUDORANDOM NUMBER GENERATOR FOR CRYPTOGRAPHIC APPLICATIONS	Kyiv International University of Civil Aviation	\$144,436							US:2 Canada:2 EU:2
4260	4260	GE	Tbilisi	Adaptation of Georgian Wheat Species to Increased Ultraviolet Irradiation	N.Ketskhoveli Institute of Botany	\$90,100							US:2 Canada:2 EU:2
4263	4263	UA	Lviv	Semiconductor devices for wide band frequency magnetic field measuring in TORE SUPRA reactor	"Lvivska Polytechnica" National University	\$240,000							US:2 Canada:2 EU:2
4266	4266	UA	Kharkiv	Formation of one-, two-, three- dimensional carbon nanosystems and investigations of their low	B.I. Verkin Institute for Low Temperature Physics and Engineering	\$161,844			€ 112,337			€ 112337	US:2 Canada:1 EU:5
4270	4270	UA	Chornobyl	Development of the device for in-situ monitoring of beta and gamma emitting radionuclides in	Institute for safety problems of nuclear power plants	\$200,000							US:2 Canada:2 EU:2

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4272	4272	UA	Lviv	Utilization of the metal working's waste products as fuel phase for civil explosives	Research and Design Center "Proton"	\$125,210			€ 86,909			€ 86909	US:2 Canada:2 EU:5
4277	4277	UA	Lviv	HIGH-RELIABLE NANOSTRUCTURED THICK FILM SPINELS □ FOR MULTIFUNCTIONAL	Scientific Research Center "Carat"	\$76,736							US:2 Canada:2 EU:2
4281	4281	UA	Lviv	Elaboration of a test-system for investigation of molecular mechanisms of leucocyte aggregative ability in	Ivan Franko Lviv National University	\$150,000							US:2 Canada:2 EU:2
4287	4287	GE	Tbilisi	Development of Novel Industrial Technology of Production Nanoscale and Amorphous metal powders	Georgian Technical University	\$149,893							US:2 Canada:1 EU:2
4293	4293	UA	Kyiv	ANALYSIS OF NONLINEAR DYNAMICS OF HIGH-CURRENT BEAMS IN PLASMA MEDIA	V.M. Glushkov Institute of Cybernetics	\$299,172							US:2 Canada:2 EU:2
4299	4299	UA	Kyiv	Effects of intermittent hypoxia training on human hematopoietic stem cells and cytokine production	Bogomoletz Institute of Physiology of the Ukrainian National Academy of Sciences	\$179,201			€ 124,385			€ 124385	US:2 Canada:2 EU:5
4302	4302	UA	Kyiv	The RNA secondary structure role in HIV-1 replication: □ study by molecular genetics,	Institute of Molecular Biology and Genetics	\$149,976			€ 104,099			€ 104099	US:2 Canada:2 EU:5
4339	4339	UA	Kyiv	Influence of ultraviolet and ionizing radiation on chiral photonic liquid crystal laser: investigation and minimizing	Institute of Physics of National Academy of Sciences	\$206,805							US:2 Canada:2 EU:2
4343	4343	UA	Kyiv	New non-invasive imaging and analysis technique for early diagnosis of electrophysiological and	V.M. Glushkov Institute of Cybernetics	\$210,776							US:2 Canada:2 EU:2
4345	4345	GE	Tbilisi	Application of fuzzy logic with operators in the knowledge based systems	Institute of Cybernetics	\$99,360							US:2 Canada:2 EU:2

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4391	4391	UA	Kharkiv	Synergetic approach to diagnostics of sensor materials	(N.Ye. Zhukovskiy) National Aerospace University "Kharkiv Aviation Institute"	\$88,000							US:2 Canada:2 EU:2
4392	4392	UA	Dnipropetrovsk	Reusable Multi-layer Thermal Protection System: Design, Manufacture and Test of the Mock-up	State Public Enterprise "M.K.Yangel Design Office "Pivdenne"	\$370,739							US:2 Canada:2 EU:2
4401	4401	UA	Crimea	Search for physical foundation of solar activity forecast based on solar multi-wavelength observations	SRI "Crimean astrophysical observatory"	\$649,616							US:2 Canada:2 EU:2
4421	4421	AZ	Baku	Interaction mechanism of biomedical applications nanoparticles with membrane system of cells	Baku State University	\$254,370							US:2 Canada:2 EU:2
4423	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	4424	UA	Kyiv	The study of the neuroprotective effect of a fluorine-containing compound in brain ischemia	O.O. Bohomolets Institute of Physiology	\$55,578							US:2 Canada:2 EU:1
4425	4425	UA	Kyiv	Development of Eddy Current Probes to Provide Reliable NPP Equipment Examination	Non-Destructive Examination Training and Certification Facility	\$209,988							US:2 Canada:2 EU:2
4427	4427	UA	Kyiv	Development and Investigation of Fast Pyrolysis Technology for Liquid Fuel Production from	Institute of Engineering Thermophysics of National Academy of Sciences	\$118,738							US:2 Canada:2 EU:2
4431	4431	UA	Kyiv	Development and Investigation of the Technology for Production of Briquettes from Combustible	Institute for Ecobiotechnologies & Biotechnique at the National Agricultural University	\$118,422							US:2 Canada:2 EU:2
4436	4436	UA	Kharkiv	Ion Cyclotron Radio Frequency Current Drive for Plasma Stability Control in ITER	National Science Center "Kharkiv Institute of Physics and Technology"	\$75,100			€ 52,127			€ 52127	US:2 Canada:2 EU:5

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4439	4439	UA	Kharkiv	Development of the Heavy Ion Beam Probe (HIBP) for Uragan2-M stellarator to plasma electric fields	National Science Center "Kharkiv Institute of Physics and Technology"	\$261,660							US:2 Canada:2 EU:2
4563	4563	UA	Kyiv	Self-organized strain engineering of semiconductor nanostructures	V.E. Lashkaryov Institute of Semiconductor Physics	\$120,000							US:2 Canada:2 EU:2
4564	4564	UA	Kharkiv	Effect of helium and hydrogen on stability and H-storage properties of nanostructured Zr-Ti	National Science Center "Kharkiv Institute of Physics and Technology"	\$100,000							US:2 Canada:2 EU:2
4565	4565	UA	Kyiv	Development of thermodetector elements on the base of two-dimensional photonic silicon structures	V.E. Lashkaryov Institute of Semiconductor Physics	\$100,000							US:2 Canada:2 EU:2
<b>Subtotal Regular Projects Approved:</b>						\$18,891,220	\$199,687	\$881,962	€ 1,676,692	\$0	\$1,081,649	<b>\$ 1081649</b> <b>€1676692</b>	
4516	4516	AZ	Baku	Elaboration methods clearing industrially polluted soils of Absheron from heavy metals and radionuclides by phytoremediation	Institute of Radiation Problems	\$50,000							US:2 Canada:2 EU:2
4517	4517	AZ	Ganja	Search of new two-phase systems polymer - inorganic electrolyt and research their physical chemical properties	Ganja Regional Science Center	\$49,984							US:2 Canada:2 EU:2
4518	4518	AZ	Baku	Taking off mutagenic and carcinogenic changes in animal tissues by increasing carotenogenic system activity	A.I.Karaev Institute of Physiology	\$50,000		\$25,000			\$25,000	\$ 25000	US:2 Canada:5 EU:2
4519	4519	AZ	Baku	Development of effective technology for refining the oil-polluted soil of the Absheron peninsula	SPECIAL DESIGN ENGINEERING OFFICE ON COMPLEX TREATMENT OF MINERAL RAW	\$50,000							US:2 Canada:2 EU:2
4520	4520	AZ	Baku	Source of ions and nanoparticles of semiconductor materials	Institute of Physics	\$49,931	\$24,966				\$24,966	\$ 24966	US:5 Canada:2 EU:2
4521	4521	AZ	Baku	Azerbaijani Oils' Biomarkers	Institute of Chemistry of Additives	\$49,960			€ 17,339			€ 17339	US:2 Canada:2 EU:5
4522	4522	AZ	Baku	Usage high dense ciliates culture for purification of sewage and natural waters	Institute of Zoology	\$49,944							US:2 Canada:2 EU:2

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4523	4523	AZ	Baku	Bioecology and Natural Enemies of Some Lepidopterans (Gypsy Moth and Lackey Moth) Outbreak in Azerbaijan	Institute of Zoology	\$49,732	\$24,866				\$24,866	\$ 24866	US:5 Canada:2 EU:2
4525	4525	AZ	Baku	Development of Mid-Infrared Light-emitting- and Photo-diodes on the Basis of Narrow-bandgap Semiconductors of A3B5	Physics Institute	\$49,997		\$25,000			\$25,000	\$ 25000	US:2 Canada:5 EU:2
4526	4526	AZ	Baku	Occurrence of fruits and vegetables diseases causing phytopathogen microorganisms/Establishment of control strategies	Institute of Microbiology	\$50,000			€ 17,353			€ 17353	US:2 Canada:2 EU:5
<b>Subtotal Targeted R&amp;D Init. Projects Approved:</b>						\$499,548	\$49,832	\$50,000	€ 34,692	\$0	\$99,832	<b>\$ 99832</b> <b>€34692</b>	
P0031	P0031	UA	Kyiv	Scientific Protocol of the Study of Leukemia and Other Hematologic Disorders Among Clean-up Workers of Ukraine Following the Chernobyl Accident	Research Center for Radiation Medicine (RCRM)	\$260,309	\$260,309				\$260,309	\$ 260309	
P168	P168	UA	Kharkiv	Receiving of antigens and monoclonal antibodies with the purpose of using in ELISA test-systems for Aujeszky's disease diagnostics (PNNL-T2-0274)	Institute of Experimental and Clinical Veterinary Medicine	\$65,000	\$65,000				\$65,000	\$ 65000	
P215	P215	UA	Donetsk	Forming and joining of ceramic details for using in fuel cells with solid oxide electrolyte	O.O.Gakin Donetsk Institute of Physics and Engineering (DonIPE NAS)	\$630,000	\$630,000				\$630,000	\$ 630000	
P242	P242	UA	Kharkiv	Development of an integrated digital x-ray fluoroscopic system conforming to international regulatory requirements	"Radioprom" Ltd	\$136,500		\$136,500			\$136,500	\$ 136500	
P253	P253	UA	Kyiv	Multifunctional ceramic nanostructured coatings	I.M. Frantsevich Institute of Problems of Materials Science	\$59,940	\$59,940				\$59,940	\$ 59940	

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  
Governing Board Meeting  
15 November 2007

Project Number	#	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
P261	P261	UA	Kyiv	The nature of the microstructure and interface boundary formation in directionally solidified ceramic boride	I.M. Frantsevich Institute of Problems of Materials Science	\$60,000	\$60,000				\$60,000	\$ 60000	
P269a	P269a	UA	Kharkiv	Experimental Evaluation of a Two-Phase Mechanically Pumped Loop Prototype as a	(N.Ye. Zhukovskiy) National Aerospace University "Kharkiv Aviation Institute"	€ 6,867			€ 6,867			€ 6867	
P279	P279	UA	Kyiv	Alloys with giant recoverable superelasticity and	G.V. Kurdyumov Institute for Metal Physics	\$60,000	\$60,000				\$60,000	\$ 60000	
P281	P281	UA	Lviv	Development of methods and facilities for radio-wave UHF diagnostics of plane-layered dielectric	Karpenko Institute of Physics and Mechanics	\$40,000	\$40,000				\$40,000	\$ 40000	
P287	P287	UA	Kharkiv	Development of Commercial Plasma Chemical Reactor in the	National Science Center "Kharkiv Institute of Physics and Technology"	\$700,000	\$700,000				\$700,000	\$ 700000	
P288a	P288a	UA	Kyiv	Autoantibodies to nicotinic receptors in Alzheimer disease	Institute of Gerontology	\$28,000				\$28,000	\$28,000	\$ 28000	
P312	P312	UA	Kyiv	"Benchmarking Russia and Ukraine with respect to the Innovation TrendChart (BRUIT)"	Association 'Ukrainian Federation for Informatics and System Analysis (UFISA)'	€ 19,800			€ 19,800			€ 19800	
P321	P321	UA	Kyiv	Design and Modelling of new multicomponent materials based on the system Ti-tanium-Silicon. Nanostructuration and properties.	I.M. Frantsevich Institute of Problems of Materials Science	€ 33,445			€ 33,445			€ 33445	
P327	P327	UA	Kyiv	Twist Extrusion of Aluminum Alloys	I.M. Frantsevich Institute of Problems of Materials Science	\$63,000	\$63,000				\$63,000	\$ 63000	

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See comments
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table  
Governing Board Meeting  
15 November 2007

Project Number	#	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
P330	P330	UA	Kharkiv	Application of the "self-scattering effect" to a DPS-based diagnosis of HF-stimulated ionospheric irregularities	Institute of Radio Astronomy	\$92,132	\$92,132				\$92,132	\$ 92132	
P331	P331	UA	Sevastopol	Strengthening the oceanographic data management and operational forecast services at IBSS and	O.O. Kovalevsky Institute of Biology of Southern Seas (IBSS)	€ 72,450			€ 72,450			€ 72450	
P332	P332	UA	Kharkiv	The role of hydrogen in paramagnetic properties of amorphous and microcrystalline silicon	National Science Center "Kharkiv Institute of Physics and Technology"	€ 15,750			€ 15,750			€ 15750	
P334	P334	UA		"Creation of the Commercialisation Unit of the Scientific & Technological Products of	National Science Center "Kharkiv Institute of Physics and Technology"	\$61,516				\$61,516	\$61,516	\$ 61516	
P337	P337	UA	Kyiv	Investigation of Aspects of Advanced Single Crystal Preparation for	G.V. Kurdyumov Institute for Metal Physics	€ 8,196			€ 8,196			€ 8196	
P338	P338	UA	Kyiv	Photorefractive effect in hybrid inhomogeneous liquid crystal cells	Kyiv Taras Shevchenko University	\$62,370	\$62,370						
P339	P339	UA	Kyiv	EBPVD Processing of TiAl-basis Foils	E.O. Paton Electric Welding Institute	\$20,000	\$20,000				\$20,000	\$ 20000	

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See comments
6. Proj. Dev Grant awarded
7. N/A



STCU Funding Table  
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15 November 2007

Project Number	#	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
P342	P342	UA	Kyiv	Manufacturing of exploratory samples of ceramic catalysts and particulate filters with a catalytic coating	I.M. Frantsevich Institute of Problems of Materials Science	\$6,500				\$6,500	\$6,500	\$ 6500	
P344	P344	UA	Kyiv	The Development of Bio-equivalent Ultraviolet Dosimeter To Monitor the Capacity for Vitamin-D Synthesis of Sunlight	Institute of Physics	\$210,000	\$210,000				\$210,000	\$ 210000	
<b>Subtotal Partner Projects Approved:</b>						\$ 2,555,267 € 156,508	\$2,322,751	\$136,500	€ 156,508	\$96,016	\$2,555,267	\$ 2555267 € 156508	
<b>TOTAL:</b>						\$ 21,946,035 € 156,508	\$2,572,270	\$1,068,462	€ 1,867,892	\$96,016	\$3,736,748	\$ 3736748 € 1867892	

Mr. V. Alessi  
USA  
Board Member

Mr. R. Waschuk  
Canadian  
Board Member

Mr. Y. Yatskiv  
Ukrainian  
Board Member

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

Mr. L. Bingre do Amaral  
EU Board Member  
(for the EU Presidency)

COMMENTS

EU comments :

3776		We object to any funding for this project. Precise information on the intended use of the project's results would be needed for further consideration.
3464		please try to raise the travel budget. The team would need more international contacts and visit international trade fairs for medical equipment.

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4. Same as 3

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See comments
6. Proj. Dev Grant awarded
7. N/A
8. Review complete - to be considered at next GBM



STCU Funding Table  
Governing Board Meeting  
15 November 2007

Project Number	#	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
	3856			This project should closely collaborate with the experts of the European Space Agency ESA. The workplan should be approved by ESA before signing. There are several related projects ongoing at ESA, like the launching of the GOCE satellite in 2008 with a 12 channel GPS receiver for low resolution wide scale measurement of the gravity field. Another similar project is currently followed by the International Geodetic Service (TGS). Please contact Mr. Rafael Lucas Rodriguez of ESA for follow-up. Contact: Rafael Lucas Rodriguez ESA Navigation Applications and User Services Office Directorate of Telecommunication and Navigation Programmes Navigation Department email: rafael.lucas.rodriguez@esa.int phone: +31715653891 / 3193									
	3966			we advise the project to seek closer collaboration with medical device specialists.									
	4080			The travel budget should be much increased to allow effective collaboration and scientific exchange at conferences									
	4082			The study should consider also the aspect of conversion and sustainability of former weapons institutes, and the privatization of institutes (taking account, for example, of the experience in China and the UK). When comparing with international experiences, also examples of third countries like Japan and especially China should be included. Costs for equipment in the third year and overheads should be reduced in favour of increasing the project's travel budget. Dissemination activities should be enlarged, especially to increase the impact of the study through appropriate press conferences and press releases.									
	4202			The travel budget should be increased to strengthen the marketing activity.									
	4272			This interesting project gives attention to appropriate technical documentation for manufacturers, transporters, and storage. Possible consideration should be given to writing international standards and product classification, including acceptance tests for buyers.									
	4436			Please suggest to the project to contact the Fusion Contact Expert group. Email: alejandro.zurita@ec.europa.eu									
	4521			The travel Budget should be much increased to allow significant interaction with other researchers involved oil-biomarkers. Professor Puettmann needs to confirm the collaboration before STCU signs the project agreement (no collaboration letter is registered).									
	4424			evaluation incomplete									
	3727			An additional collaborator may be Prof. Jean-Pierre Clerc (jean-pierre.clerc@polytech.univ-mrs.fr), tel: (33)0491106873, fax: (33)0491106969									

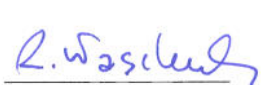
1. Review Incomplete
2. Review Complete - No willingness to fund
3. Rewrite / resubmit - see comments
4. Same as 3

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

## STCU Supplemental Budget 25th Governing Board Meeting 15 November, 2007

#	Full Title	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)
<b>Supplemental Budget:</b>							
<b>Activity:</b>							
01	Technical, Collaborator, and Contractor Travel Support (Project Related)	\$30,000	\$150,000	€30,000	-	\$180,000	\$ 180000 € 30000
04	Business Training/Sustainability Support	\$68,888	\$12,830	€42,431	-	\$81,718	\$ 81718 € 42431
05	Patent Support	\$17,346	\$3,231	€17,684	-	\$20,577	\$ 20577 € 17684
06	Travel and Mobility Support	\$32,214	\$156,000	€89,842	\$80,000	\$268,214	\$ 268214 € 89842
08	Expert Review and Advisors	-	-	€130,000	-	-	\$ - € 130000
09	Seminars/Workshops Support	\$17,346	\$3,231	€40,684	-	\$20,577	\$ 20577 € 40684
10	Service Contracts	\$1,100,000	\$280,000	€364,384	-	\$1,380,000	\$ 1380000 € 364384
12	Targeted Training	\$19,613	\$3,653	€12,081	-	\$23,266	\$ 23266 € 12081
13	Institute Sustainability	\$198,240	\$36,920	€122,104	-	\$235,160	\$ 235160 € 122104
<b>Total Supplemental Budget:</b>		<b>\$1,483,647</b>	<b>\$645,865</b>	<b>€849,210</b>	<b>\$80,000</b>	<b>\$2,209,512</b>	<b>\$ 2209512 €849210</b>

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

  
Mr. L. Bingre do Amaral \*  
EU Board Member  
(for the EU Presidency)

*\* Subject to availability of funds.*