STCU Funding Table 19th Governing Board Meeting February 10, 2005

#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + FURO	Comments Conditions
1657	Growing of High-Quality Acousto-Optic Mercurous Chloride Hg2Cl2 Single Crystals	"Elent A", Non-Traditional Technologies Science and Engineering Center	Akimov Sergey Vasiljevich	\$140,250							US:2 Canada:2 EU:2
1686	Creation of radiophysic methods for detection of infrasound pollution of atmosphere	Lviv Center of Institute of Space Research	Soroka Silvestr	\$120,000							US:2 Canada:2 EU:2
1705	Multifunctional associative memory of large volume, response, reliability on the basis of simulated neural networks.	State Scientific and Research Institute of Information Infrastructure	Hrytsyk Volodymyr	\$160,339							US:2 Canada:2 EU:2
1717	Creation of information system and multimedia catalog "Ukrainian icon XIII-XVIII c."	State Scientific and Research Institute of Information Infrastructure	Stekh Stefania	\$69,738							US:2 Canada:2 EU:2
1744	Enlargement of three dimensional holographic memory capacity.	Kharkiv Military University	Kupchenko Leonid Fedorovich	\$95,200							US:2 Canada:2 EU:2
1748	Development of the superlight aircraft of new generation	"VOL" Science-Innovative Company	NESHMONIN Peter V.	\$130,315							US:2 Canada:2 EU:2
1767	Development of Radio Devices for Monitoring of Parameters of Physical Environments, Functional Materials and Coatings	Usikovs Institute of Radiophysics and Electronics	Maystrenko Yu.	\$94,380							US:2 Canada:2 EU:2
1789	Diamond-like Carbon Films - New Material for Optics and Electronics	SRC "Institute for Single Crystals"	Semenov A. V.	\$88,051							US:2 Canada:2 EU:2
1835	Technology of self-adjustment chemical- mechanical polishing for surface planarization from refractory materials.	Bakul Institute for Superhard Materials	Stashnov Nikolay	\$108,000							US:2 Canada:2 EU:2
1861	The influence of stochastic electromagnetic radiation on substances	"Kharkiv Institute of Physics and Technology" National Scientific Center	Bezyazychny Ivan Artemovych	\$156,960							US:2 Canada:2 EU:2
1888	Investigation of mechanisms for dust production and transposition in radiation fields at Chernobyl	"Kharkiv Institute of Physics and Technology" National Scientific Center	Mel'nik Yuri Petrovich	\$84,810							US:2 Canada:2 EU:2
1901	Study of the Mechanism of Precipitation of Electrons and Protons from the Earth's Inner Radiation Belt	Kharkiv State University	Shmatko Yevgen Stepanovith	\$141,000							US:1 Canada:2 EU:2
1925	Portable Spectrometer of Electronic - Spin- Resonance for Medical and Biological Investigations.	Usikovs Institute of Radiophysics and Electronics	Yeremka Victor	\$114,345							US:2 Canada:2 EU:2
1926	Small-size ESR-Spectrometer for Medical Investigations and Diagnostics.	Usikovs Institute of Radiophysics and Electronics	Yeremka Victor	\$109,968							US:2 Canada:2 EU:2
1938	Self-organization of coherent structures of anomalous transport in electromagnetic media	"Kharkiv Institute of Physics and Technology" National Scientific Center	Vodyanitskii O. A.	\$98,000							US:2 Canada:2 EU:2

1. Review Incomplete

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3. Rewrite / resubmit - see comments

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1942	A klystron with secondary-emission metallic cathodes for medical electron accelerators	"Accelerator" R&D Production	Zakutin Valeriy V.	\$187,000			FURU		103.31		US:2 Canada:2 EU:2
1974	Computer-aided multi-factor analyze of bio- electrical parameters of the brain	National Technical University of Ukraine "Kyiv Polytechnical Institute"	Zhuikov V.	\$161,083							US:2 Canada:2 EU:2
1975	The conditions of tungsten substitution in cast hard alloys by transition metals of IV - VI groups.	Frantsevich Institute for Problems of Materials Science	Velikanova Tamara	\$57,300							US:1 Canada:2 EU:2
2004 (C)	New High-Sensitive Photo-Refractive Semiconductor Materials	Institute of Physics	Gnatenko Yurij P.	\$79,600							US:2 Canada:2 EU:2
2007	Development of a computerized complex and technology for automated thermal straightening of welded sheet structures	Paton Electric Welding Institute	Lobanov Leonid Mikhailovich	\$180,000							US:2 Canada:2 EU:2
2011	Development of the physicochemical basis of the refining, making and investigations of the properties of the extra pure Nb and V for application in the new industry fields	"Kharkiv Institute of Physics and Technology" National Scientific Center	Lavrynenko Sergy Dmytriyoyych	\$160,281							US:2 Canada:2 EU:2
2043	The development of the electrorefining of platinum- containing secondary raw materials and plating from molten electrolytes	Institute of General and Inorganic Chemistry	Tumanova Nelly Khachaturovn	\$174,000							US:2 Canada:2 EU:2
2053	Research and Development Methods for Preventing Ultra-Fine Radioactive Dust Formation in Handling Nuclear Materials	Kharkiv State University	Vasylyev Viktor P.	\$154,363							US:2 Canada:2 EU:2
2058	Development And Investigation Of Magnesium- Aluminate Spinel Crystals For Devices Of Energy Transformation	'Institute for Single Crystals' R&D Corporation	Lytvynov Leonid	\$95,000							US:1 Canada:2 EU:2
2063	Investigation and development of the acoustic method for rising the debit of oil, gas condensate and water extracting wells, and production the experimental set of the equipment of acoustic effect.	Kharkiv State University	Pelikhaty Nikolay Mikhajlovich	\$152,992							US:2 Canada:2 EU:2
2079	Holographic Materials for Neutron and Optical Spectroscopy	Kyiv Taras Shevchenko University	Obukhovsky Vyacheslav Volodymyrovyc	\$65,200							US:2 Canada:2 EU:2
2083	Mechanisms of the ionization increasing in plasma sources of low pressure	Kharkiv State University	Azarenkov Mikola Oleksievich	\$83,050							US:1 Canada:2 EU:2
2127	New methods of early diagnostics of pathologic damages in biological objects and the state of skin using circularly polarized SHF electromagnetic wave (using the Sadouski affact)	Kharkiv State University	Azarenkov Nikolay Alexeevich	\$159,599							US:2 Canada:2 EU:2
2142	Research on the possibility of hydrocarbon gas detection in air with the help of a HCN laser	Usikovs Institute of Radiophysics and Electronics	Kuleshov Yeugenii	\$139,000							US:1 Canada:2 EU:2
2157	The development of the experimental equipment for dehydrating of the colloidal mixtures by means of their artificial freezing and subsequent defrosting	"Kharkiv Aviation Institute" State Space University	Petukhov Ilya Ivanovich	\$94,000							US:1 Canada:2 EU:2

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	Production of castings out of deformable aluminium alloys under electromagnetic pressure with non-solidifying gating system	Physico-Technological Institute of Metals and Alloys	Dubodelov Viktor Ivanovych	\$121,000		10.1.01					US:2 Canada:2 EU:2
	Enhancing Serviceability of Welded Joints of Dissimilar Metals by Optimizing Their Design and Technological Parameters	Institute for Problems of Strength	Lebedev Anatoly A.	\$110,000							US:1 Canada:2 EU:2
	System for personal identification by voice of video and sound recording	Kyiv Scientific Research Institute of Forensic Examinations	Novoselsky O. F.	\$99,530							US:2 Canada:2 EU:2
2242	New Methods and Tools of Images Processing for Telemedicine Technologies	"Intermag" Science and Production Firm	Novoselets Mikhaylo Kyrylovych	\$177,600							US:2 Canada:2 EU:2
	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:1 Canada:2 EU:2
2259	Nonlinear generation of second harmonics of laser irradiation using passive resonator	"Lvivska Polytechnica" State University	Bobitski Yaroslaw Vasyliovych	\$159,729							US:2 Canada:2 EU:2
2273	Effects of Low Radiation on Alice Cell Properties	"Kharkiv Institute of Physics and Technology" National Scientific Center	Khizhnyak Nikolay Antonovich	\$180,000							US:2 Canada:2 EU:2
	Development of methods of optimal filtering the reflected signal when sounding of the underground structure of the soil	Usikovs Institute of Radiophysics and Electronics	Kornienko Yuriy	\$98,445							US:2 Canada:2 EU:2
	Epiphyseal-gonadal system reactivity to electromagnetic field effects	Ukrainian Pharmacotheraphy of Endocrine Diseases Research Institute	Gladkova Alla	\$168,522							US:2 Canada:2 EU:2
2294	The Method of Analysis in Vitro of Molecular Mechanisms of Action of Drugs for Their Designing, Selection of Dozes and Combinations	Problem Scientific and Research Laboratory of Molecular Mechanisms	Konev Fedir A.	\$154,375							US:2 Canada:2 EU:2
	Apparatus and Technique for the Early Diagnostics, Therapy, and Preventive Maintenance of Cardiovascular Diseases	Problem Scientific and Research Laboratory of Molecular Mechanisms	Kovalyova O. N.	\$152,405							US:2 Canada:2 EU:2
	Creation of the equipment complex for the analysis of Hydration Parameters of Bioobjects and their Water Component	Usikovs Institute of Radiophysics and Electronics	Shchegoleva T.	\$102,174							US:2 Canada:2 EU:2
2298	The express testing system of cereal cultures maturity in harvest period for Ukraine farms	Problem Scientific and Research Laboratory of Molecular Mechanisms	Kolesnikov V.	\$135,872							US:2 Canada:2 EU:2
	Origin, propagation and diagnostic capacity of natural pulse electromagnetic radiation from the earth interior which is a precursor and an indicator of geodynamic processes	Usikovs Institute of Radiophysics and Electronics	Uvarov Vladimir M.	\$142,380							US:2 Canada:2 EU:2
2329	Control over field of tempers in big-volume structures	"Pivdenne" State Design Bureau	Pakhomov Sergiy	\$90,672							US:2 Canada:2 EU:2

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2337	A Mobile System of Electromagnetic Phase Location for Oil and Gas Pipelines.	Glushkov Institute of Cybernetics	Bek Alexander	\$109,200		103.31	(FUSU)		103.31		US:2 Canada:2 EU:2
	Intratomic Correlations, Electronic Structure and Structural Phase Trans-formations in Alloys Exposed to Radiation.		Kulish Mykola P.	\$191,750							US:2 Canada:2 EU:2
	Working out the Lubrication Material Obtaining Technology of New Generation on the Base of Polytetrafluorethylene	Association	Ransky Anatoly Petrovich	\$78,459							US:2 Canada:2 EU:2
	Special Pliislic Lubricants Production Technology Elaborating	University	Ranskr Anatoliv Petrovich	\$64,101							US:2 Canada:2 EU:2
	Development of Production Process of Articulated Square Trusses from a Composite Material	East Ukrainian State University	Rach Valentyn	\$51,645							US:2 Canada:2 EU:2
	Development and fabrication of experimental samples of thermovisual devices on the base of pyroelectric matrices	Physical Equipment with Experienced Manufacture	Bundza Bogdan Petrovich	\$196,055							US:2 Canada:2 EU:2
	Research of extra-low freguency pertrubations of atmospheric pressure for diagnostics and correction of meteorodependency	Kyiv Taras Shevchenko University	Gorgo Yuri	\$138,690							US:2 Canada:2 EU:2
2411	Development of dye-doped polymer systems as the standards for time-resolved spectroscopy	Institute of Physics	Bondar Mikhail V.	\$190,000							US:2 Canada:2 EU:2
	Comprehensive investigations of the processes and consequences of the charged particles beams - material interaction	Kyiv Taras Shevchenko University	Dotsenko Ivan Sergiyovych	\$150,000							US:2 Canada:2 EU:2
	A study of chemical interaction of helium and an investigation of properties of the compounds derived	Frantsevich Institute for Problems of Materials Science	Morozova Raisa	\$126,954							US:2 Canada:2 EU:2
2454	Development of methods for synthesis and upgrading color stones	State Scientific Center of Environmental Radiogeochemistry	lgor Komov	\$197,205							US:2 Canada:2 EU:2
2478	Electronic Weight Measuring Equipment.	State Daughterly Enterprise "Orizon-Universal" of State Plan "Orizon-Prilad"	Sydorenko Yuri	\$221,475							US:2 Canada:2 EU:2
2479	Power supply system having long life for space applications.	HARTRON Corp., JSC	Bobkov Valentin	\$145,000							US:2 Canada:2 EU:2
2484	Study of regularities and development of technologies of gold and silver re-covery from gold- containing ores	"Pridneprovsky Hydrometallurgical Plant" State Enterprise	Korovin Yuriy	\$153,445							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:1 Canada:2 EU:2

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2517	Development of Voice-control Plasma Surgical Apparatus.	"Pivdenne" State Design Bureau	Dranovskiy Volodymyr I.	\$124,344							US:2 Canada:2 EU:2
2522	EQUIPMENT FOR PREVENTING SURPLUS THERMAL HEATING OF NUCLEAR REACTORS	"ENERGY" Joint-Stok Company Dnipropetrovsk	Alexyeyenko Olexandr	-\$109,300	-\$109,300				-\$109,300	-109300	US:4 Canada:2 EU:2
2547	Instrument for controlling the quality of non-ferrous metals and separation of their alloys	State Scientific Research and Development Institute of Titanium	Brynza Alexander	\$57,400							US:2 Canada:2 EU:2
2557	Elaboration and device complex trial for pipe production of raised quality	Novomoskovsk Pipes Plant	Vdovin Valentin Dmitrievich	\$119,200							US:2 Canada:2 EU:2
2582	Pulsed electromagnetic field - a method of controlling material structure and properties	Galkin Donetsk Institute for Physics and Technology	Datsko Oleg Ivanovich	\$71,729							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:1 Canada:2 EU:2
2597	Reduction of Military Engineering: Use for Civilian Purposes of Heavy Mechanized Bridges	"UkrNDlproektstalkonstruktsiya", Ukrainian Research and Design Institute of the steel constructions, Joint Stock Company	Gordeev Vadym Mykolaiovych	\$91,620							US:2 Canada:2 EU:2
2610	Analysis of Factors Causing Orbital Debris and Development of Proposals on Its Minimization or Formation Prevention	"Pivdenne" State Design Bureau	Kompaniets Eduard Petrovich	\$80,017							US:2 Canada:2 EU:2
2624	Investigations of basic compressibility effects in sub-, trans-, supersonic flows in water free surfaces	Institute of Hydromechanics	Selezov Igor T	\$34,000							US:2 Canada:2 EU:2
2625	Development of metallic fuel electric power plant	"Perspectiva" technoparc of NTUU "KPI"	Mourashov Olexandr Heorgiyovych	\$99,600							US:2 Canada:2 EU:2
2626	Diffratopography	Kurdyumov Institute for Metal Physics	Molodkin Vadim B.	\$178,620							US:2 Canada:2 EU:2
2627	Writing and publishing in English the monograph 'Statistical Theory of Radiations' Scattering by Crystals with Defects'	Kurdyumov Institute for Metal Physics	Molodkin Vadim B.	\$49,500							US:2 Canada:2 EU:2
2630	Ecological and Chemical Studies of Monitoring Military Installations for Dismantlement	Center of Ecological Research, National University of "Kyiv-Mohyla Academy"	Bryk Mykhaylo T.	\$167,275							US:2 Canada:2 EU:2
2639	Development of new compositions of shape- memory alloys for medical applications	Paton Electric Welding Institute	Kaleko David	\$193,526							US:2 Canada:2 EU:2
2656	Energy - conservation technology for underwater prezervation of Stores	Sevastopol naval institute	Baranov Oleksandr Nikolaevich	\$82,620							US:2 Canada:2 EU:2

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2658	The Magnet-Optical Transformers	Simferopol State University	Dubinko Sergey Vladimirovich	\$120,000							US:2 Canada:2 EU:2
2671	Space radar system for continuous surveillance of the Earth's surface	Kalmykov Center for Radiophysical Sensing of Earth	Kurekin Alexander S.	\$112,700							US:2 Canada:2 EU:2
2682	Ukrainian ozone monitoring network	Institute of Physics	Baschenko Sergiy M.	\$70,070							US:2 Canada:2 EU:2
	Creation of a new orientation technology of details in flat section and the examples of the devices that realize it on the specific parts	"Relaks" Scientific and Technical Venture	Yury Sidorov	\$80,800							US:2 Canada:2 EU:2
3001	Combined methods of filtered plasma stream formation for cathodic-arc coating deposition processes	"Kharkiv Institute of Physics and Technology" National Scientific Center	Khoroshykh Volodymyr Maksymovytch	\$67,897							US:2 Canada:2 EU:2
	Crystallization concentration of poisonous and bioactive substances from aqueous solutions	SRC "Institute for Single Crystals"	Eksperiandov a Petrivna Ludmyla	\$134,555							US:2 Canada:2 EU:2
3012	Physical processes in low-dimensional crystalline layered chalcogenides and their applications	Frantsevich Institute for Problems of Materials Science	Kovalyuk Zakhar	\$148,500							US:2 Canada:2 EU:2
	New energy-saving methods, devices based on over-voltage pulse corona discharge for water, food treatment, gas cleaning	"Molniya" Research and Design Institute of Kharkiv State Polytechnical University	Boyko Mykola Ivanovitch	\$145,580							US:2 Canada:2 EU:1
	The development of synthetic approaches to new types of azoles and azines, potential bioregulators.	Institute for Bioorganic Chemistry and Petrochemistry	Drach Boris Sergiyovich	\$30,000							US:1 Canada:2 EU:2
	Development of technology for energy production from radioactive contaminated wood and other combustible materials	Research Institute of Mechanics of Quick- Proceeding Processes	Veryuzsky Yury Vasilievich	\$176,469							US:2 Canada:2 EU:2
	Real-time agrotechnological monitoring and control system for managing plant pests, providing nutrients, and protecting crops	"Hartron" Research and Production Association, Joint Stock Company, Kharkiv State Technical University of Radio Electronics	Markov Volodymyr Leonidovych	\$187,662							US:2 Canada:2 EU:2
	Reagent-free technology for disinfecting various liquids on the basis of combination of high-voltage pulsed effects.	National Technical University of Ukraine "Kyiv Polytechnical Institute"	Boyko Mykola Ivanovitch	\$146,124							US:2 Canada:2 EU:2
3021	Nontraditional electrochemical systems for converting energy	National Technical University of Ukraine "Kyiv Polytechnical Institute"	Kuzminskii Vasilievich Yevgenii	\$115,500							US:2 Canada:2 EU:2
3023	Composites in-situ on the basis of ternary carbides -nanolaminates - fabrication, properties, usage	Frantsevich Institute for Problems of Materials Science	Pechkovsky Engels P	\$66,088							US:2 Canada:2 EU:2
3025	Scientific base for testing, modeling and use of composite materials with increased resistance to impact	Institute for Problems of Strength	Stepanov Gennadiy	\$121,111							US:2 Canada:2 EU:2

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3027	Scientific Base of Designing and Manufacturing New Advanced Materials by Evaporation and Condensation Technology	Institute for Problems of Strength	Stepanov Gennadiy	\$125,008			(FUSU)		103.21		US:2 Canada:2 EU:2
3028	Development of natural polyfunctional plant growth biostimulators with bioprotective effects for the ecological agriculture	"Agrobiotech" Interbranch Scientific Technological Center	Ponomarenko Sergiy	\$180,000							US:8 Canada:2 EU:2
3034	Development of wood fired under screw boiler of 100 kW for wood waste combustion	Institute of Engineering Thermophysics	Geletukha Georgiy	\$100,928							US:2 Canada:2 EU:2
3035	Development of Fisher-Tropsch Synthesis Technology for Liquid Fuel Production from Biomass	Institute of Engineering Thermophysics	Zhelyezna Tetyana	\$150,417							US:2 Canada:2 EU:2
3039	Elaboration of the novel method of early cancer detection and development of the commercially available immunoassay	Institute of Epidemiology and Infectious Disease	Parkhomenko Larysa Vasilivna	\$120,868							US:1 Canada:1 EU:2
3040	Development of technological basis for gasification and compacting of radioactive graphite with radionuclides extraction	Research Institute of Mechanics of Quick- Proceeding Processes	Veryuzsky Yun Vasilievich	\$159,036							US:2 Canada:2 EU:2
3041	Development of Fast Pyrolysis Technology for Liquid Fuel Production from Biomass Wastes	Institute of Engineering Thermophysics	Zhelyezna Tetyana	\$131,307							US:2 Canada:2 EU:2
3044	Development of technology for destruction of highly active and toxic substances in non-equilibrium plasma of electric discharges	Kyiv Taras Shevchenko University	Chernyak Valeriy	\$175,000							US:2 Canada:2 EU:2
3047	The filmforming materials for interference optics of the excimer and technological IR lasers	Bogatskij Physico-Chemical Institute	Efryushina Ninel' Efryushina	\$200,000							US:2 Canada:2 EU:2
3048	Development of nano-technologies for formation of electrode materials with advanced characteristics for lithium-ionic storage batteries, self-charging by eolar irradiation	"Lvivska Polytechnica" State University	Lukiyanets A B	\$180,000							US:2 Canada:2 EU:2
3049	Mechanisms of critical currents limitation in hts films and novel technology for their enhancement	Kurdyumov Institute for Metal Physics	Pan Volodymyr	\$136,400							US:2 Canada:2 EU:2
3050	Development of technology for anaerobic digestion of manure with biogas production on cattle and pig farms	Scientific Engineering Centre "Biomass"	Matveev Yuri	\$179,118							US:2 Canada:2 EU:2
3051	Metrological digital manometers with especially high accuracy class 0,001	Lviv Center of Institute of Space Research	Mytsyk Bohdan	\$96,000							US:2 Canada:2 EU:2
3052	Development of batch straw fired boiler of 100 kW for small bales combustion	Institute of Engineering Thermophysics	Geletukha Georgiy	\$99,878							US:2 Canada:2 EU:2
3053	Investigation of explosive straightening processes of high-accuracy complex shells and scientific base technology development	Zhukovskiy National Airospace University	Borisevich Volodimir Karpovich	\$160,000							US:2 Canada:2 EU:2

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3056	Development of technology for landfill gas extraction and utilization	Scientific Engineering Centre "Biomass"	Manager Matveev Yuri	Funds \$99,960		(US \$)	(FURO)	(US \$)	(US \$)	\$ + FURO	Conditions US:2 Canada:2 EU:2
3057	Development of high stability cermet springs and devices for examination of their parameters	Frantsevich Institute for Problems of Materials Science	Silenko Petro	\$146,955							US:1 Canada:2 EU:2
3058	Development of Risk Based Maintenance program for equipment of systems, which are important for the safety	National Technical University of Ukraine "Kyiv Polytechnical Institute"	Petrenko Serhiy	\$185,000							US:2 Canada:2 EU:2
3059	Method and apparatus for diagnosing a living tissue state	Institute for Applied Problems of Mechanics and Mathematics	Gafiychuk Vasyl'	\$98,725							US:2 Canada:2 EU:2
3063	Technique for Remote Detection of Nuclear Explosives	Kharkov National University By V.N.Karazin	Cherny Valentin Vasilievich	\$260,000							US:2 Canada:2 EU:2
3064	X-ray diffuse scattering effects in epitaxial and ion- implanted crystal structures	Kurdyumov Institute for Metal Physics	Kislovskii Yevgen Mykolayovych	\$199,999							US:2 Canada:2 EU:2
3065	Aerospace-borne soil and vegetation remote- sensing data usage planning	Usikovs Institute of Radiophysics and Electronics	Yatsevich Sergiy	\$185,000							US:2 Canada:2 EU:3
3070	Development of energy efficient technology for charcoal production.	Institute of Engineering Thermophysics	Geletukha Georgiy	\$99,000							US:2 Canada:2 EU:2
3071	Spectral Lamps of New Generation for Medicine and Photobiology	Institute of Physics	Zubrilin M. G.	\$198,000							US:2 Canada:2 EU:2
3072	Cast high-strength austenitic with complex special property alloys for machine-building, gas- and oil- extraction systems	Physico-Technological Institute of Metals and Alloys	Bondarevskyy Valeriy	\$139,829							US:2 Canada:2 EU:2
3073	Project of Autonomous Powerplant of Combined Cycle for Obtaining Synthesis-Gas from Agricultural Wastes and Its Usage	"Pivdenne" State Design Bureau	Borisenko Stanislav Vasilyevich	\$344,842							US:2 Canada:2 EU:2
3074	SQUID-magnetometry system to control magnetic contrast agents and targeted transport of medications with magnetic carriers	Glushkov Institute of Cybernetics	Voitovych Igor	\$219,974							US:8 Canada:1 EU:3
3076	Development of new high effective hybrid battery for accumulation and conservation of the solar energy	Frantsevich Institute for Problems of Materials Science	Tovstyuk Denysovych Korniy	\$85,000							US:2 Canada:2 EU:2
3077	Development of pure plant oil utilization technology for agricultural machinery	Institute of Engineering Thermophysics	Zhelyezna Tetyana	\$102,315							US:2 Canada:2 EU:2
3079	Scientific Base of Impulse Electric Current Treatment for Increasing Strength and Lifetime of Thin Wall Structural Members	Institute for Problems of Strength	Stepanov Gennadiy	\$98,102			€ 75,000			€ 75000	US:2 Canada:2 EU:5

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3082	Effect of iron containing inductrial dusts on the occupational and environmental health in the Ukraine	Institute for Applied Problems in Physics and Biophysics	Mykhaylyk Olga	\$222,952							US:2 Canada:2 EU:2
3083	Nanocrystalline components of high performance solid oxide fuel cells	Frantsevich Institute for Problems of Materials Science	Glintchuk Davydivna Maya	\$196,000							US:2 Canada:2 EU:2
3087	A new magneto-optical medium for detection of the slight magnetic fields	The Institute of Physics of the Mountain Proccesses	Tsymbal T. Ludmila	\$128,800							US:2 Canada:2 EU:2
3088	Development of land and space application energy modules based on advanced solar converters and lithium accumulators	Chemical Technology University	Shembel Olena Moiseevna	\$190,000							US:2 Canada:2 EU:2
3089	Ultrafine and nanosized materials for corrosion, abrasion and wear resistant coatings	Frantsevich Institute for Problems of Materials Science	Uvarova Irina	\$136,000							US:2 Canada:2 EU:2
3090	Development of diagnostics system for critical and important for safety machinery	National Technical University of Ukraine "Kyiv Polytechnical Institute"	Petrenko Evgenovich Viktor	\$68,000							US:2 Canada:2 EU:2
3093	The Developing a Method of Determining the Durability Characteristics of Materials after Energy Consumption	"YuzhVEC" Firm	Paschenko Anatoliy Vasilyovych	\$115,000							US:2 Canada:2 EU:2
3094	Improvement of Thermal and Corrosion Resistance of Titanium and Zirconium Nitrides under the Action of Hydrogen	Frantsevich Institute for Problems of Materials Science	Dubovik Vasylivna Tetyana	\$131,932							US:2 Canada:2 EU:2
3095	Equipment and electric drive systems contractor design for the new generation mandrel tube rolling mill	State Tube Institute	Loskutov Petro	\$149,257							US:2 Canada:2 EU:2
3096	Anisotropy Effects in the Dynamic Properties of Low- Dimensional Spin Systems	Institute for Condensed Matter Physics	Derzhko Oleg	\$27,000							US:2 Canada:2 EU:2
3097	Insulation continuous monitoring and protection system for distribution networks of 6-35 kV.	"YuzhVEC" Firm	Shcrabets Pavlovych Fedi	\$170,000							US:2 Canada:2 EU:3
3098	Advanced semiconductor spintronics: technology, theory and devices	National Agrarian University	Gorley Petro	\$83,550							US:2 Canada:2 EU:4
3099	Advanced electrostatic plasma lens for accelerator applications	Institute of Physics	Goncharov Olexiy	\$78,650							US:2 Canada:2 EU:2
3102	Elaboration of preparation for medical treatment of acute intestinal infection and food toxycoinfection	"Sorption" Scientific and Industrial Center	Dedenko Ivan	\$183,398							US:2 Canada:2 EU:2
3105	Fiber-optics minifabricated system for identification biological microobjects on the basis of complex analysis of electrophoresis processes dynamics	Institute for Applied Problems of Mechanics and Mathematics	Ivanovych Demchuk Vasyl'	\$97,500							US:2 Canada:2 EU:2

1. Review Incomplete

2. Review Complete - No willingness to fund

3. Rewrite / resubmit - see comments

STCU Funding Table 19th Governing Board Meeting February 10, 2005

#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + FURO	Comments Conditions
3106	Extremely disordered materials for fuel cell and nickel-metal hydride battery applications	Frantsevich Institute for Problems of Materials Science	Solonin Yuriy	\$180,000		10.3 .01					US:2 Canada:2 EU:3
	Production scheme developing and operation characteristics investigation of scintillation strips for OPERA detector	Institute for Scintillation Materials	Senchyshyn Vitalii	\$150,000							US:2 Canada:2 EU:2
3110	Development of Lithium Tetraborate-Based Tissue- Equivalent Dosimeters for Wide Application	"Technocrystal" LTD	Puga Pavlo	\$186,000							US:2 Canada:2 EU:2
3111	Sperical granulated mesoporous superacidic catalysts based on titanium and zirconium	Institute for Sorption and Endoecology Problems	Strelko Volodymyr	\$180,000							US:2 Canada:2 EU:2
	Environmental Management Strategy For Radioactively Contaminated Soils and Dumps in the Near-Zone of Chernobyl Nuclear Power Plant	Institute of Geological Science	Bugay Dmytro Oleksandrovit ch	\$179,972							US:2 Canada:2 EU:2
3115	Technology development for production wear- resistant powder tool steels using specific treatment metal melt.	Frantsevich Institute for Problems of Materials Science	Itsenko Anatoly	\$124,970							US:2 Canada:2 EU:2
	Action of ultra low-frequency electromagnetic fields on intracellular calcium homeostasis in central nervous system and effector organs	Institute of Physiology	Voitenko Nana	\$80,000							US:2 Canada:2 EU:2
	Nonlinear waves as a technical tool for studying and rearranging the structured medium	Subbotin Institute of Geophysics	Vakhnenko Vyacheslav	\$193,762							US:2 Canada:2 EU:3
3124	Development of Processing Technology and Pilot Installation for Solid Alloys Obtained During Utilization of Ammunition	"Pridneprovsky Hydrometallurgical Plant" State Enterprise	Korovin Vadim	\$166,948							US:2 Canada:2 EU:2
	Development of the Methods and Creation of the Apparatus for Ecologically Threatening Phenomena Detection	Carpathian Branch of the Institute of Geophysics of S.I.Subbotin" (No "Institute of Geophysics of S.I.Subbotin	Deshchytsya Stepan Andriyovych	\$110,000							US:2 Canada:2 EU:2
	High-performance spectrometric y-radiation detection blocks for unauthorized radioactive substances radiation monitoring systems	SRC "Institute for Single Crystals"	Nekrasov Vasyl	\$170,000							US:2 Canada:2 EU:2
	Increase in fatigue strength of thin-walled aluminium structure joints using high-efficient consumable electrode welding and strengthening	Paton Electric Welding Institute	Kirjan Valery	\$258,000							US:2 Canada:2 EU:3
	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
	The Diagnosis and Forecast of the Centimeter Radiowave Propagation in Various Regions of the World Ocean	Usikovs Institute of Radiophysics and Electronics	Mutsenko Igor	\$90,000							US:2 Canada:2 EU:2
	Etiology of Schizophrenia & Alcoholism and Development of Optical Spectral Diagnostics Methods of the listed Diseases	Institute of Physical Optics	Vlokh Rostyslav Orestovich	\$150,718							US:2 Canada:2 EU:2

1. Review Incomplete

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3. Rewrite / resubmit - see comments

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#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + FURO	Comments Conditions
3136	Development of a passive millimeter waves imaging system for detection of the weapon concealed under clothing	"Iceberg" State Research Center	Denisov Alexander	\$186,000					11113.01		US:2 Canada:2 EU:3
3139	Modified flavonoids - the way to the creation of hypoglicemic drugs of a new generation	Kyiv Taras Shevchenko University	Khilya Volodymyr	\$190,000							US:2 Canada:2 EU:2
3140	Development and Implementation of Regional Monitoring System for Demand and Supply of High- Tech Production	Zakarpattia Center of Science-technology and Economy Information	Popadinets I. V.	\$223,504							US:2 Canada:2 EU:2
3146	Elaborating and Optimizing a Non-Invasive Method for Detecting and Imaging Carbon, Nitrogen, and Oxygen Concentrations	"Kharkiv Institute of Physics and Technology" National Scientific Center	Zajtsev Borys Vasyliovych	\$234,000							US:2 Canada:2 EU:2
3148	Experimental investigation the heat transfer in vertical and horizontal channels cooling by Freon at near-critical and supercritical pressures	National Technical University of Ukraine "Kyiv Polytechnical Institute"	Bezrodnyy Mykhaylo	\$62,500							US:2 Canada:2 EU:2
3150	Monitoring the geodynamical phenomena in the Crimea region by VLBI, GPS, and SLR techniques	Main Astronomical Observatory	Suberlyak Vasyl Romanovych	\$199,993							US:2 Canada:2 EU:2
3152	Broadband small-size microwave and millimeter wave antennas	Usikovs Institute of Radiophysics and Electronics	Ivanchenko Igor	\$90,000							US:2 Canada:2 EU:2
3153	High strength and wear resistant ceramic and ceramic-metal composite materials with low specific weight (up to 3 g/cm3)	Frantsevich Institute for Problems of Materials Science	Tkachenko Grigorievich Yury	\$187,922							US:2 Canada:2 EU:2
3156	Method and apparatus to study of materials at high pressures and temperatures in a SDAC in situ by using acoustic emission phenomena	Bakul Institute for Superhard Materials	Shvedov Leonid Konstantinovi	\$98,980							US:2 Canada:2 EU:2
3157	Creation and Testing the Series of Magnetoterapeuric Devices for Treatment of Gastroenterologic Diseases	Expromag Ltd	Putilov Yuriy	\$133,046							US:2 Canada:2 EU:2
3158	Development of the physical concept of intense compact quasi-monochromatic X-ray source based on Compton scattering	"Kharkiv Institute of Physics and Technology" National Scientific Center	Karnaukhov Ivan Mikhaylovich	\$144,968							US:2 Canada:2 EU:2
3159	Investigation of effects of bombardment by hydrogen ions on optical properties of beryllium mirrors	"Kharkiv Institute of Physics and Technology" National Scientific Center	Voitsenya Volodymyr	\$80,000							US:2 Canada:2 EU:2
3160	Design of plane scanning centimeter and millimeter-wave antennas for mobile telecommunication	Usikovs Institute of Radiophysics and Electronics	SIRENKO Yuriy K.	\$185,521							US:2 Canada:2 EU:3
3161	Innovative water purification method and devices	Ukrainian State Chemical and Technological University	Gevod Viktor Sergeevich	\$105,624							US:2 Canada:2 EU:2
3165	Development Of Methodology And Instrumentation For Multi-Parametric Tomography Of Earthquake Hazardous Zones	Lviv Center of Institute of Space Research	Korepanov Valery	\$195,095							US:2 Canada:2 EU:2

1. Review Incomplete

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3. Rewrite / resubmit - see comments

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#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union	Other (US \$)	Total Funding (US \$)	Total Funding (US	Comments Conditions
3166	Development of the New Hemoadsorption System for Removal of Protein-Bound Toxins and Inflammatory Cytokines	Kavetsky Institute of Experimental Pathology, Oncology and Radiobiology	Nikolaev Volodymyr	\$123,420		10.3 .01			1113-01		US:1 Canada:2 EU:2
3167	The estimation of ecological harm from impact of dangerous objects to environment for Sebastopol region	Kyiv Taras Shevchenko University	Kutalakhmed ov Alexeevich Yuriy	\$254,400							US:2 Canada:2 EU:2
3169	Creation of the automatic 80-cm telescope for astrophysical research	Astronomical Observatory of Kyiv Taras Shevchenko University	Novosyadlyj Bohdan	\$173,367							US:2 Canada:2 EU:2
3171	Adaptive Associative Memory "AMNAM"	Institute of Machines and Systems	Riznyk Olexander M.	\$125,835							US:2 Canada:2 EU:2
3172	Potential anticancer agents based on porphyrins interaction with G-quadruplexes of telomeric DNA	Verkin Institute for Low Temperature Physics and Engineering	Zozulya Victor	\$89,000	\$39,500	\$10,000	€ 30,000		\$49,500	\$ 49500 € 30000	US:5 Canada:5 EU:5
3175	Global electromagnetic resonators as space weather indicators	Institute of Radio Astronomy	Sinitsin Victor	\$180,000							US:2 Canada:2 EU:2
3176	Investigation of physical background to design a micro-sensor for detection and categorization of specified objects	"UkrNDIproektstalkonstruktsiya", Ukrainian Research and Design Institute of the steel constructions, Joint Stock Company	Khvastukhin Mykhaylo Yuriyovych	\$92,320							US:2 Canada:2 EU:2
3177	Development of Methods and Systems for Wireless Data Readout Using Passive Surface Acoustic Wave Sensors	Research Industrial State Enterprise "Symvol"	Shostak Olexandr	\$125,203							US:2 Canada:2 EU:2
3180	Development of perturbation theory for pseudo- inverse operators and its application in creation of new information technologies	Kyiv Taras Shevchenko University	Garashchenk o Fedir Georgiyovych	\$209,999							US:2 Canada:2 EU:2
3181	Cellular And Molecular Mechanisms Of Interaction Of Potato Plant With Phytophthora Infestans Pathogenic Fungi In Microgravity	Institute of Botany	Nedukha Olena M.	\$90,000							US:2 Canada:2 EU:2
3184	Supersensitive magneto-electro-cardiographic system for diagnostic examinations based on physical problems in clinical medicine	Glushkov Institute of Cybernetics	Voytovych Igor Danylovych	\$279,779							US:2 Canada:2 EU:2
3188	Modern methods of evaluation of the load-carrying capacity of refrigerator ship structures under complicated service conditions	Timoshenko Institute of Mechanics	Grigorenko Yaroslav Michaylovich	\$104,542							US:1 Canada:2 EU:3
3189	Technology for thermal hardening of steel tools with the goal of increasing their operational stability	State Metallurgical Academy of Ukraine	Deyneko Leonid	\$180,000							US:2 Canada:2 EU:3
3190	Development and testing of impact-resistant radiation-absorbing composite ceramics for space and ground application	Frantsevich Institute for Problems of Materials Science	Grigoriev O. N.	\$176,763							US:2 Canada:2 EU:2
3191	Development of cooling systems with liquefied gases for medical and computer devices application	Frantsevich Institute for Problems of Materials Science	Gogaev Kazbek	\$186,480							US:2 Canada:2 EU:2

1. Review Incomplete

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3. Rewrite / resubmit - see comments

STCU Funding Table 19th Governing Board Meeting February 10, 2005

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3193	Composite coatings based on nanocrystalline- amorphous heterostructures	Frantsevich Institute for Problems of Materials Science	Ivashchenko Volodymyr	\$68,766							US:2 Canada:2 EU:2
	Development of two-contour heliosystem for hot water delivery based on highly effective solar collectors and photo-battery	Frantsevich Institute for Problems of Materials Science	Frolov Gennady	\$185,000							US:2 Canada:2 EU:4
3196	Study and Development of Process Principles of LRW purification with application of sorbents.	"Sorption" Scientific and Industrial Center	Dedenko Ivan	\$174,590							US:2 Canada:2 EU:2
	Dynamic multi-criterion optimization of a vehicle control system in real and accelerated time	Ukrainian Center of Environmental and Water Projects - UCEWP	Baranov Vladimir V.	\$66,706							US:2 Canada:2 EU:2
3199	Development of technologies for robust adaptive road departure warning systems in passenger vehicles	National Technical University of Ukraine "Kyiv Polytechnical Institute"	Leonets Olexander	\$89,875							US:2 Canada:2 EU:2
	Dynamic endoprosthesis of the cervical intervertebral disk with total contact and monocrystal pair of friction	Sitenko Institute of Spine and Joint Pathology Ukrainian Academy of Medical Sciences	Radchenko Volodymyr	\$80,000							US:2 Canada:2 EU:2
	Environment appropriate technology of electricity production using farm and woodworking waste fuels	Dnipropetrovsk State University	Sicheviy Oleksiy Volodimirovic	\$180,000							US:2 Canada:2 EU:2
	Research and Development of Scientific Principles for Creating Molecular and Molecular-Based Magnetic Materials	Donetsk Physical-Technical Institute	Levchenko Georgy Timofejovich	\$114,848							US:2 Canada:2 EU:3
	Ceramic Coatings on Titanium Alloys Synthesis using Micro Arc Oxidation Technology	Kremenchuk State Polytechnical Institute	Belozerov Valerij	\$117,218							US:2 Canada:2 EU:2
3210	Multidetector technique for investigation of silicon microstrip detectors long-term stability	"Kharkiv Institute of Physics and Technology" National Scientific Center	Maslov Nikolai Ivanovich	\$94,780							US:2 Canada:2 EU:2
	Development of Semiconducting Ceramic Composites based on Ternary Nickel, Cobalt, Manganese and Copper Spinels	Vernadskii Institute of General and Inorganic Chemistry	Pekhnyo V. I.	\$94,236	\$84,236	\$10,000			\$94,236	\$ 94236	US:5 Canada:5 EU:4
	Electro-Vacuum in Ladle Steel Treatment to the Energy Savings, Ecological Improvement and Development of Properties	"Southern Machine-Building Plant" Production Association	Nikitchenko Viktor	\$198,384							US:2 Canada:2 EU:3
3216	Regional Model of the lonosphere	National Technical University "Kharkiv Polytechnic Institute"	Taran, V. I	\$198,000							US:2 Canada:2 EU:2
3217	Cast High-Strength Magnetically Soft Alloys for Magneto-Conductive Power Equipment Parts	Physico-Technological Institute of Metals and Alloys	Zeleny Boris	\$139,995							US:2 Canada:2 EU:2
	Alpha- particle Confinement and Fusion Helical Reactor Physics Study (Analytical Treatment and Numerical Modeling	Kharkiv State University	Shyshkin Oleksandr Oleksandrovic	\$200,000							US:2 Canada:2 EU:2

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3. Rewrite / resubmit - see comments

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#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + FURO	Comments Conditions
3219	High sensitivity magnetometer for acoustomagnetic detection of ferromagnetic microparticles in biological tissues	Verkin Institute for Low Temperature Physics and Engineering	Bondarenko Stanislav Ivanovich	\$96,000				((),) , ()			US:1 Canada:2 EU:2
3220	"Investigation of physical and molecular mechanisms of combined action of irradiation upon biological structures and DNA"	Kyiv Taras Shevchenko University	Vysotsky Volodymyr I	\$193,984							US:2 Canada:2 EU:2
3221	Development of principles for alloying cold resistant ferritic corrosion- resistant steels	Zaporizhzhe National Technical University	Koval Anatoliy Danilovich	\$109,990							US:1 Canada:2 EU:3
3223	Facility for Probing the Mesosphere/Lower Thermosphere and the Bottomside lonosphere	Kharkiv State University	Tyrnov Oleg	\$180,000							US:2 Canada:2 EU:2
3225	Synaptic transmission in brain under extremal conditions	Palladin Institute of Biochemistry	Borisova Tatiana	\$120,000							US:2 Canada:2 EU:2
3226	Development of the technology for production of semi-conducting silicon carbide substrates for creation of optical mirrors.	Institute of Semiconductor Physics	Maslov Petrovich Volodymir	\$198,721							US:2 Canada:2 EU:3
3227	Optimization of cavities of coaxial gyrotrons for thermonuclear fusion applications	Kharkov National University By V.N.Karazin	Zaginaylov Gennadiy	\$170,569			€ 131,000			€ 131000	US:2 Canada:2 EU:5
3228	Elaboration and application of an optimal neural network method for memory modeling	Kharkov National University By V.N.Karazin	Gopych Petro	\$51,100							US:2 Canada:2 EU:2
3230	Development of biological system for rapid application of pharmacological substances to the cells and tissue cultures	"Lileya" Small Scientific Production Enterprise	Petrenko Serhiy Fedorovich	\$133,742							US:2 Canada:2 EU:1
3231	Modeling of hair cell dynamics and interaction with environment	Institute of Physics	Kondrachuk Oleksandr	\$65,000							US:2 Canada:2 EU:2
3232	Creation of immunostimulating biocomposites for using in agriculture and animal breeding	"Agrobiotech" Interbranch Scientific Technological Center	Vlasenko Vitaliy	\$170,296							US:2 Canada:2 EU:2
3234	Reasonable constructive techniques for suppression of oscillations in transport systems with movable liquid and elastic elements.	Timoshenko Institute of Mechanics	Zakrzhevskyy Oleksandr Evgenievych	\$125,000							US:1 Canada:2 EU:4
3235	Development of the Technology for Production of Briquettes and Pellets from Combustible Agricultural Waste	Institute of Engineering Thermophysics	Protsishin Borys	\$123,588							US:2 Canada:2 EU:2
3236	Scenario of growing crops on the silicates in lunar and terrestrial greenhouses	Institute of Molecular Biology and Genetics	Kordyum Vitalii	\$150,000							US:2 Canada:2 EU:2
3238	Development of Dose Assurance System for Radiotherapy	Institute of Semiconductor Physics	Bugay Oleksandr Arkadiyovich	\$119,974							US:2 Canada:2 EU:2

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#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + FURO	Comments Conditions
3246	Combined optical components for the laser systems with large density of the light energy	Institute of Physical Optics	Burak Yaroslav	\$160,260							US:2 Canada:2 EU:2
3248	Development of the technology and equipment for biogas component separation by freezing carbon dioxide method	"Kharkiv Institute of Physics and Technology" National Scientific Center	Khazhmurado v Manap	\$76,800							US:2 Canada:2 EU:2
3249	Terahertz Electromagnetic Wave Generation from Quantum Nanostructures	Usikovs 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 Installations	Timoshenko Institute of Mechanics	Golub Vladyslav	\$63,000							US:2 Canada:2 EU:3
3251	Raising of ability and durability of the reactor shell by means of the special technological treatment	Pul'uj Ternopil State Technical University	Yasniy Petro	\$106,600							US:2 Canada:2 EU:2
3252	Development of microwave technology for extraction of biological active and water-soluble substances from plant tissues	Department of Industrial Radioelectronics of International Academy of Informatization	Kalinin Lev	\$142,340							US:2 Canada:2 EU:2
3254	In-situ observation of growth pattern formation during directional solidification of two-component transparent substances under microgravity	Kurdyumov Institute for Metal Physics	Zhivolub Eugen	\$150,000							US:2 Canada:2 EU:2
3255	Development of scientific-technological fundamentals of producing perfect semiconductor and composite in space, specialized process equipment	Paton Electric Welding Institute	Asnis Jukhim	\$160,000							US:1 Canada:2 EU:2
3256	Development of technology of non-destructive testing defectness and stresses in space engineering objects using laser interferometry	Paton Electric Welding Institute	Lobanov Leonid Mikhailovich	\$120,000							US:1 Canada:2 EU:2
3260	Development and scientific research of assembly technique of screwed joints with ap-plication of laser interference optical methods	"Laboratory of Complex Technologies" Joint-Stock Company	Kesariysky Alexander	\$129,900							US:2 Canada:2 EU:2
3264	Strainmeter with high accuracy class	Lviv Center of Institute of Space Research	Demyanyshyn Nataliya	\$120,000							US:2 Canada:2 EU:2
3270	Establishment of the International Scientific and Training High Frequency Electron Paramagnetic Resonance Research Center in Ukraine	Institute of Semiconductor Physics	Kalabukhova Kateryna Mykolayvna	\$180,000							US:2 Canada:2 EU:2
3272	The caprolactam manufacture toxic gas wastage neutralization	Institute of Technical Mechanics	Kovalenko Mikola Dmytrovych	\$145,000							US:2 Canada:2 EU:2
3273	Development of small-sized sources of thermonuclear energy on the basis of a toroidal electromagnetic trap.	"Kharkiv Institute of Physics and Technology" National Center of Science, Institute of Solid- State Physics, Materials Science and	Lavrent'ev Oleg Olexandrovic	\$86,800							US:2 Canada:2 EU:2
3277	Development of the sorption-membrane technology to utilize boron from natural waters and wastewaters	Institute of Colloid Chemistry and Water Chemistry	Mel'nyk Luydmyla	\$194,662							US:1 Canada:2 EU:2

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	Development of methodology and Networked simulating tools on the base of the modified system NetALLTED with orientation on micro electromechanical every (MENS)	Informational Resources Research Institute at the National Technical University of Ukraine "Kyiv Polytechnical Institute"	Petrenko Anatoliy	\$201,211							US:2 Canada:2 EU:4
	Tool environment for support of expertise and independent verification of I&C SW relevant to NPP safety.	I&C System Certification Center. State Center for Regulation of Supplies and Service of Quality.	Konorev Boris	\$126,800			€ 10,000			€ 10000	US:2 Canada:2 EU:6
3280	Advanced model of small-sized device for measuring of particle fluxes and dose loads.	Kharkov National University By V.N.Karazin	Dudnyk Oleksiy	\$150,000							US:2 Canada:2 EU:2
	Methods and Devices Development for Express Diagnosing of Low-Dose Ionizing Radiation Effects	"ISKRA" Science and Research Institute	Dolynskyy Gennadiy	\$115,952							US:1 Canada:2 EU:3
	Influence of fires on formation of radioecological situation in the Chornobyl Exclusion zone scale	Ukrainian Institute of Agricultural Radiology	Yoshchenko Vasyl	\$240,988							US:2 Canada:2 EU:2
	Development of Scientific Approach and Technology for Growing High-Quality Optical-Grade Germanium Crystals for Infrared Technique	Institute of Semiconductor Physics	Pekar Grigory	\$160,000							US:2 Canada:2 EU:3
3289	Ultrashort Wave Propagation over Ocean Surface	Usikovs Institute of Radiophysics and Electronics	Ivanov Victor	\$78,760							US:2 Canada:2 EU:2
	Substantiation of the ways to reduce the natural radionuclides transfer to the environment and human body in uranium mining, extraction and processing either	Marzeev Institute of Hygiene and Medical Ecology	Los' Ivan	\$381,914							US:2 Canada:2 EU:3
	The New Diesel Engine using the Conrod-Free Mechanism	Design Office Vool	Vool Alexiy	\$234,856							US:2 Canada:2 EU:2
3292	Control and inactivation of opportunistic fungi in water supply sources	Institute of Urology	Rudenko Adel	\$172,655							US:2 Canada:2 EU:2
	Development of hard-and-software complex of analysis of cardiomyocytes rhythms, for using in cellular cardiomioplastics	Institute of Molecular Biology and Genetics	Lukash Lyubov	\$225,510							US:2 Canada:2 EU:2
3295	Nanoparticle doped silica glasses: challenging materials for optoelectronics and laser technology	Institute for Surface Chemistry	Borysenko Mykola	\$169,732							US:2 Canada:2 EU:2
3296	Multi-Functional Shape Memory Alloys for Smart System Applications	Kurdyumov Institute for Metal Physics	Koval Yuriy M.	\$182,710							US:1 Canada:2 EU:3
	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:1 Canada:2 EU:1
3299	Barrier properties of crystalline rocks in Ukrainian shield and rock salt in Dniper-Donets depression.	Institute of Geological Science	Khrushchov Dmitro	\$185,191							US:1 Canada:2 EU:1

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	Distribution of Radiocarbon and Tritium around Ukrainian Nuclear Power Plants as an indicator of quality of nuclear technology	Marzeev Institute of Hygiene and Medical Ecology	Buzynnyy Mykhaylo Georgiyovych	\$214,200		10.3.41					US:2 Canada:2 EU:2
	Development of safety analysis principles for crystalline massives in Ukrainian shield promising for radioactive waste disposal.	Institute of Geological Science	Khrushchov Dmitro	\$169,914							US:2 Canada:2 EU:1
	The structural-functional analysis of seeds generated under altered gravity for the purpose of development methods of increasing plant tolerance to microarcaity.	Institute of Botany	Popova Antonina	\$97,000							US:2 Canada:2 EU:2
3304	Evaluation of the residual resource of operating reactors and analysis of prospective reactors for Ukrainian NPP's.	"Institute for Nuclear Research" Scientific Center	Slisenko Vasyl I.	\$187,501							US:2 Canada:2 EU:2
	PECVD nanocrystalline-amorphous coatings based on nc-TiBx /a-SiC. Micro- and nano- mechanical investigation	Frantsevich Institute for Problems of Materials Science	Ivashchenko Volodymyr	\$77,491							US:1 Canada:2 EU:2
3306	Development Of New Functional Materials On The Basis Of Incipient Ferroelectrics For Application At Cryogenic Temperatures	Frantsevich Institute for Problems of Materials Science	Glinchuk Maya	\$198,200							US:2 Canada:2 EU:1
	Development of Toxin-Specific Molecularly Imprinted Polymer Membranes based on Interpenetrating Polymer Networks	Institute of Macromolecular Chemistry	Brovko Oleksandr	\$208,366							US:8 Canada:8 EU:8
	Near - Infrared emitting thin - film electroluminescent devices.	Institute of Semiconductor Physics	Valakh Mykhailo Yakovych	\$161,000							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:1 Canada:2 EU:1
3312	Internal Combustion Engine with Thermochemical Recuperation	Institute of Engineering Thermophysics	Nosach Vilyam Grirorjevich	\$175,870							US:2 Canada:2 EU:2
	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:1
	Creation of the industrial plant pilot specimen for milling in hydrogen of ferromagnetic alloys from Ukrainian raw materials	Karpenko Institute of Physics and Mechanics	Panasyuk Volodymyr	\$185,000							US:2 Canada:2 EU:1
	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:1
	Development of engineered barriers made by stone casting for nuclear spent fuel disposal in granite massifs	"Kharkiv Institute of Physics and Technology" National Center of Science, Institute of Solid- State Physics, Materials Science and	Saenko Sergei	\$190,000							US:8 Canada:2 EU:2
	Novel Magnetic, Thermoelectric and Resistive Materials based on Multicomponent Intermetallic Phases	Astronomical Observatory of Ivan Franko National University of Lviv	Bodak Oksana	\$189,202							US:1 Canada:2 EU:2

1. Review Incomplete

2. Review Complete - No willingness to fund

3. Rewrite / resubmit - see comments

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#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (FURO)	Other (US \$)	Total Funding	Total Funding (US \$ + FURO	Comments Conditions
3327	Advanced nanostructured aluminum alloys reinforced with nanosize quasicrystalline particles	Frantsevich Institute for Problems of Materials Science	Milman Yuly	\$160,000		\$15,000	€ 112,000			\$ 15000 € 112000	US:1 Canada:5 EU:5
3329	High fracture toughness ceramic-glass composite for dental application produced using nanopowders	Institute for Problems of Strength	Gogotsi Georgiy	\$192,988							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							US:1 Canada:2 EU:1
3334	Porous polyurethane filled with water	Institute of Macromolecular Chemistry	Matyushov Vitaliyi	\$165,912							US:2 Canada:2 EU:1
3344	The Design of Diagnostic test systems for monitoring haemostatic imbalance	Palladin Institute of Biochemistry	Lugovskoy Eduard Vitalievich	\$190,708	\$175,708	\$15,000			\$190,708	\$ 190708	US:5 Canada:5 EU:1
3345	Structure stability of multilayer nanocrystalline materials Cr-Al-N and Cr-V-N	"Kharkiv Institute of Physics and Technology" National Center of Science, Institute of Solid- State Physics, Materials Science and	Guglya Olexiy	\$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:1 Canada:2 EU:1
3350	Development of new design medical stents and their manufacturing using laser radiation.	The National Technical University of Ukraine "KPI" (Laser Technology Research Institute)	Kovalenko Volodymyr	\$14,720							US:2 Canada:2 EU:1
3351	Modeling of dynamics of complex fluids	Verkin Institute for Low Temperature Physics and Engineering	Khruslov Eugen	\$51,840							US:2 Canada:2 EU:2
3352	Urban Tropospheric Ozone Monitoring and Modeling, Evaluating its Adverse Effect for Human Health and Vegetation	Main Astronomical Observatory	Sosonkin Myhailo	\$157,553							US:2 Canada:2 EU:2
3354	Development of new carbon nanocomposites based on exfoliated graphite for the selective adsorption of biomolecules	Fond for scientists of molecular cybernetics and informatics	Dovbeshko Galyna Ivanovna	\$173,692							US:2 Canada:2 EU:1
3357	The search and studies of the optimal conditions of diamond coatings synthesis in the glow discharge stabilized by a magnetic field	"Kharkiv Institute of Physics and Technology" National Center of Science, Institute of Solid- State Physics, Materials Science and	Strelnytskiy Volodymyr	\$240,000							US:2 Canada:2 EU:2
3358	Hydrogen sorbing, accumulating, holding and disorbing from metals under external and internal structure-changing attacks	"Kharkiv Institute of Physics and Technology" National Scientific Center	Morozov Oleksandr	\$196,100							US:1 Canada:2 EU:2
3360	Creation of high efficiency hybrid energy supply systems for electric vehicles	Institute of Electrodynamics	Pavlov Victor Borisovich	\$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:1

1. Review Incomplete

2. Review Complete - No willingness to fund

3. Rewrite / resubmit - see comments

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#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + FURO	Comments Conditions
3371	New pharmacological approach minimizing vascular lesions produced by ionizing radiation using saline- and quercetin-containing	Institute of Pharmacology and Toxicology	Solovyov Anatoliy Ivanovych	\$164,042							US:2 Canada:2 EU:1
3376	Development of wide action spectrum antiviral drugs - nuclear transport signals inhibitors (chemical modified lectines)	Mechnikov Institute of Microbiology and Immunology	Martynov Arthur Victorovich	\$174,776							US:2 Canada:2 EU:2
3378	Development of magnetoplasma compressor for generation of dense compression plasma flows of heavy noble gases	"Kharkiv Institute of Physics and Technology" National Scientific Center	Tereshin Vladimir Ivanovich	\$189,880	\$189,880				\$189,880	\$ 189880	US:5 Canada:2 EU:2
3388	Development of know-how of non polluting descalling the hot rolled alloy steel and design proposal	Institute of Technical Mechanics	Manko Ivan K.	\$189,500							US:2 Canada:2 EU:2
3393	Creating of Modified Activated Carbon Fiber Materials with High Sorption Parameters	Basalt Fiber Research Laboratory at the Institute for Problems of Materials Science	Plygan Elena Petrovna	\$183,990							US:2 Canada:2 EU:2
3400	New Technologies and Facilities of Grain Aeration Drying.	"Elevator" Ltd. Company	Danchenko Vitaly G.	\$243,168							US:8 Canada:8 EU:1
3404	Evaluation of the residual resource of operating reactors and analysis of prospective reactors for Ukrainian NPP's. Prototype Research and		Plankovsk Sergiy Igorovich	\$184,899							US:2 Canada:2 EU:1
3425	Applicatoin of microwave hyperthermia in cattle- breeding for improvement of animals' health and productivity	Usikov Institute of Radiophysics and Electronics	Malyshenko Yuriy Igorevych	\$135,840							US:1 Canada:2 EU:1
3483	Developing Logical-Statistical Methods for Data Mining and Knowledge Discovery; their Application for Advanced Material Engineering	Technological Science Academy of Ukraine	Sytnikov Dmytro E	\$181,780							US:2 Canada:2 EU:1
3484	PHYTOTECHNOLOGIES FOR MANAGEMENT OF RADIONUCLIDE AND PESTICIDE CONTAMINATED SOIL IN UKRAINE	Institute of Agroecology and Biotechnology (IAB)	Moklyachuk Lidia Ivanivna	\$141,050							US:8 Canada:2 EU:1
3514	Colloid metals in biotherapy of infection diseases under the conditions of exacerbation of epidemic situation.	Ovcharenko Institute of Biocolloidal Chemistry	Ulberg Zoya R.	\$181,996	\$161,996	\$20,000			\$181,996	\$ 181996	US:5 Canada:5 EU:1
3535	Intelligent galvanomagnetic devices for ITER Magnetic Field Diagnostics	"Lvivska Polytechnica" State University	Boishakova Inessa A	\$240,000							US:2 Canada:2 EU:1
3553	Development of Veterinary Preparations Based on Plant Essential Oils as Alternative to Antibiotics and Chemical Disinfectants	The Institute of Veterinary Medicine	Tarasov Olexandr Anatoliovych	\$164,000	\$164,000				\$164,000	\$ 164000	US:5 Canada:2 EU:1
	Subtotal Regular Ukrainian Projects /	Approved:		\$40,772,192	\$706,020	\$70,000	€ 358,000	\$0	\$776,020	\$ 776020 € 358000	
3002	Windpotential's and Grids' Research for Working out the Conception of Wind Energy Industry's Progress in Uzbekistan	Institute of Power Engineering and Automation	Nasirov Temurjon	\$183,518							US:2 Canada:2 EU:2

1. Review Incomplete

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3. Rewrite / resubmit - see comments

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#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + FURO	Comments Conditions
3010	Development of Algorithms for Crisis Situations Management	"Pivdenne" State Design Bureau	Kotyegov Volodymyr Yuriyovich	\$221,857							US:2 Canada:2 EU:2
3024	Biotechnological important terapyrroles of propionic bacteria are isolating in Uzbekistan	Institute of Microbiology (Tashkent)	Gulyamova Tashkhan Gafurovna	\$155,523							US:8 Canada:2 EU:2
3030	Investigation of polyacrylonitrile fibre modification and finishing textile materials from its blend with cotton	linstitute of Textile and Light industry	Ergashev Karim	\$74,018							US:2 Canada:2 EU:2
3032	Diagnostic complex for thermal monitoring and gas analysis of the state of gas and oil main pipelines.	Institute of Physics	Puchkovskaya A Galyna	\$366,033							US:2 Canada:2 EU:2
3055	Mathematical Models and Computer Technologies for Ecologic and Economic Problems Solution and Analysis	Glushkov Institute of Cybernetics	Deyneka Vasyl St.	\$180,000							US:2 Canada:2 EU:2
3060	Development of methodology and techniques for continuous acoustics emission monitoring of responsible objects under seismic load	Karpenko Institute of Physics and Mechanics	Andreykiv Oleksandr Yevhenovych	\$221,331							US:2 Canada:2 EU:2
3075	Development of energy saving heliotechnological complexes based on the semiconductor solar batteries of new generation	Institute of Semiconductor Physics	Litovchenko Vololodymyr Grygorovych	\$250,000							US:2 Canada:2 EU:2
3080	Development of the New Biocompatible Coatings Based on Fluorocontaining Polyurethane for Intravascular Stents	Institute of Physics	Soloshenko I. O.	\$254,834							US:2 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
3112	The Nanostructures Creation on the Base of Water- Soluble Polymers and their Mixtures	Institute of Macromolecular Chemistry	Lipatov Yuri Sergeevich	\$238,200							US:2 Canada:2 EU:2
3114	Development of semiconductor detectors of ionizing radiation on the basis of new physical and technological approaches (DETECTOR)	"Lvivska Polytechnica" State University	llchuk Grygorii	\$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:1
3126	Development of radiation resistant detectors of nuclear radiation on the basis of bulk Si1-xGex single crystals with a specified ratio of	"Institute for Nuclear Research" Scientific Center	Litovchenko Petro Grygorovich	\$119,997	\$60,000		€ 46,000		\$60,000	\$ 60000 € 46000	US:5 Canada:2 EU:5
3128	Influence of Ionizing Radiation on Diode pumped Solid State Laser: investigation and minimizing risks for applications	Institute of Physics	Negriyko Anatoliy	\$191,900							US:8 Canada:2 EU:2
3142	Development of novel porous glass-ceramics composites for thermal insulation and fire protection purposes	Scientific Research Institute for Space Engineering	Tulyaganov Dilshat Ubaydullayevi	\$104,052							US:2 Canada:2 EU:2

1. Review Incomplete

2. Review Complete - No willingness to fund

3. Rewrite / resubmit - see comments

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#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + FURO	Comments Conditions
3149	Plasma-chemical technology for obtaining of hydrogen from hydrocarbon-containing wastes	Institute of Mechanical Engineering Problems	Solovey Viktor Vasilievich	\$184,952		111.1.01					US:2 Canada:2 EU:2
3155	Development of Production Technologies and Industrial Manufacture of Immunoenzymetic Test- systems for Determination of CHLAMYDIA TPACHOMATIS Markers	State Enterprise "Radiopreparat"	Chistyakov Pavel	\$56,031							US:2 Canada:2 EU:2
3162	Development of electroconductive textile materials and electrically heated systems based on conductive metallized and carbon fibers.	Frantsevich Institute for Problems of Materials Science	Vishnyakov Leon	\$148,469							US:2 Canada:2 EU:3
3182	Development of mathematical models for calculating underground leaching parameters	Institute of Cybernetics	Kamilov Mirzaachmed ovich Mirzayan	\$59,724							US:2 Canada:2 EU:2
3185	Research, Elaboration and Development of Ore Minerals Raw Materials and Waste Products of The Republic of Uzbekistan For New Welding Electrodes Production	Agency for Promotion of Research and Innovative Projects	Saidov Rustam	\$185,906							US:8 Canada:2 EU:2
3186	Development of high-strength corrosion-resistant composite materials with a hybrid polymeric matrix and technologies of their obtaining	Society with the limited liability the Scientific production enterprise "Tehprom"	Gryaznov Igor Vasilevych	\$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 for Applied Physics	Kholbaev Isobek Kholbaevich	\$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 "Akadempribor"	Usmanov Timurbek	\$189,732							US:3 Canada:2 EU:2
3211	Elaboration of the neutron forecasting technique of earthquakes and creation of tracking stations.	Institute of Nuclear Physics	Koblik Yuriy Nikiforovich	\$277,798							US:2 Canada:2 EU:2
3212	Development of hybrid solar-wind energy supply source for objects located in remote and hard-to- reach areas	Scientific-Engineering and Marketing Research Center of Communications and Information Agency of Uzbekistan	Isaev Rikhsi Isakhodjaevic h	\$247,174							US:2 Canada:2 EU:1
3233	Development of water resource management in the irrigated areas of the Amudarya basin utilising computer modelling	"Clean River" Scientific and Technical Centre	Kayumov Odil	\$230,000							US:2 Canada:2 EU:2
3244	High-Temperature Superconductor Synthesis by Advanced Solar Furnace Technology. Tunneling and Point-Contact Study of Doping Effect	Institute of Material Sciences of Scientific- Production Association "Physics-Sun"	Suleimanov Sultan	\$189,135							US:2 Canada:2 EU:1
3258	Portable Optoelectronic Devices for Rapid - Diagnostics of Microcirculation and Other Important Blood Parameters	Glushkov Institute of Cybernetics	Voytovych Igor	\$290,000							US:2 Canada:2 EU:8
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
3287	Minimizing Effects of Terrorist Acts on Nuclear Energy Stations: Thermal Radiation Properties of Corium.	Institute of Material Sciences of Scientific- Production Association "Physics-Sun"	Salikhov Temur	\$88,354							US:2 Canada:2 EU:2

1. Review Incomplete

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3. Rewrite / resubmit - see comments

STCU Funding Table 19th Governing Board Meeting February 10, 2005

#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + FURO	Comments Conditions
3298	Monitoring of ecological processes in destabilised environment of South Aral Sea Region	Institute of the Aral Sea region's Socio-economic problems	Aimbetov Nagmet Kallievich	\$72,401		10.3.41			111.3 .81		US:2 Canada:2 EU:2
	Ecosorbents based on organosilica modified by biometals	Institute for Sorption and Endoecology Problems	Denisova Tetyana	\$210,000							US:1 Canada:2 EU:2
	Development of new bioactive glasses and hydroxyapatite /glass-ceramic composites for use as hard tissue replacement implants.	Scientific Research Institute for Space Engineering	Tulyaganov Dilshat Ubaydullayevi	\$147,745							US:2 Canada:2 EU:2
	Development and creation of the illicit cargoes determination system at the customs without opening the cargo.	Institute of Nuclear Physics	Yuldashev Bekhzod S.	\$329,366							US:1 Canada:2 EU:2
	Uncooled Infrared Radiation Detectors, Thermoelectric Converters and Pressure Sensors Based on the Higher Manganese	Tashkent State Aviation Institute	Professor Kamilov Tulkun Salibdianovic	\$170,000							US:1 Canada:2 EU:1
	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:1
	Computer network creation for distant diagnosis making by radiologysts for urgent medicine of Uzbekistan and Ukraine	"NORT" State Research and Development Medical Engineering Center	Dynnyk Oleg	\$250,000							US:2 Canada:2 EU:2
	Experimental evaluation of efficacy of bacteriophage treatment of bacterial blight in cotton and rice.	Institute of Genetics and Plant Experimental Biology	KAMILOVA Elena Vladimirovna	\$292,453	\$292,453				\$292,453	\$ 292453	US:5 Canada:2 EU:1
	Establishment of the Central Asia Seismic Risk Initiative (CASRI)	Institute of Seismology of the Academy of Sciences of the Republic of Uzbekistan (Uzbekistan ISAS)	Ibragimov Alisher	\$199,138	\$99,569		€ 77,500		\$99,569	\$ 99569 € 77500	US:5 Canada:2 EU:5
	Application of an Uzbekistan Native Plant to the Health Care and Industrial Products Rubber Material Market	Institute of Chemistry of Plant Substances	Buranov Anvar	\$299,987	\$30,000				\$30,000	\$ 30000	US:6 Canada:2 EU:2
3487	Research On Sand Stabilization Techniques	Scientific Centre of Plant Production "Botanika"	Shomurodov Habibullo Fayzullaevich	\$261,456							US:2 Canada:2 EU:2
3501	Investigation of soy-bean proteins in treatment of malignent neoplasm	A.S.Sadikov Institute of Bioorganic Chemistry	Ibragimov Fazil	\$240,000							US:8 Canada:2 EU:2
3505	Theoretical and experimental investigations of the metal-insulator transitions in doped cuprates	Institute of Nuclear Physics	Dzhumanov Safarali	\$164,388	\$164,388				\$164,388	\$ 164388	US:5 Canada:2 EU:1
3577	Establishment of the Central Asia Seismic Risk Initiative (CASRI) in Uzbekistan	Institute of Seismology of the Academy of Sciences of the Republic of Uzbekistan (Uzbekistan ISAS)	Usmanova Makhira Turabovna	\$150,000	\$75,000		€ 58,500		\$75,000	\$ 75000 € 58500	US:5 Canada:2 EU:5
3634	Biotechnological improvement of potato cultivars for abiotic and biotic stress tolerance.	Tashkent State Agricultural University	Holmuratov Elmurat Gavshitovich	\$310,390							US:1 Canada:2 EU:1

1. Review Incomplete

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#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + FURO	Comments Conditions
UZ-63	Development of a Vacuum Arc Treatment for Electro- Conductive Material Surface	Institute of Electronics	Pozharov Sergey Leonidovich	\$86,148							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 Fashutdinovic	\$124,000							US:1 Canada:2 EU:2
UZ-89	Sewage Radionuclids and Heavy-Metal lons Deep Purification Technology	Zhukovskiy National Airospace University	Ugryumov M. L.	\$262,000							US:2 Canada:2 EU:2
UZ-90	Sewage Utilization Technology Designing	Institute of Nuclear Physics	Muminov Muhtar I.	\$200,000							US:2 Canada:2 EU:2
UZ-91	Development of the Radioactive Sources for the X- Ray Fluorescence Analysis and Control of Technological Processes	Institute of Nuclear Physics	Kim German N.	\$229,760							US:2 Canada:2 EU:2
UZ-92	Control and monitoring of toxic metals accumulation in crops	Institute of Plan Physiology and Genetics	Tyshchenko Elena Nikolaevna	\$149,900							US:2 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:8 Canada:2 EU:2
UZ-101	Development of the engine with HF heating of the working substance for the orbit correction of the telecommunication spacecraft	"Kharkiv Institute of Physics and Technology" National Scientific Center	Kobets Anatolij Pylypovych	\$210,000							US:2 Canada:2 EU:2
UZ-108	Filled and Polymer-Polymeric Nanocomposites creation on the base of Polyamide-6 for construction use.	Institute of Polimer Chemistry and Physics	Ashurov Nigmat Rustamovich	\$150,000							US:2 Canada:2 EU:2
UZ-112	Development of the Complex for Membrane Production for Gases and Liquids Refinement	"Kharkiv Institute of Physics and Technology" National Scientific Center	Bomko Vasyl	\$215,000							US:2 Canada:2 EU:2
UZ-113	Quasi-elastic light scattering and cooperative phenomena in disordered lattice of super-ionic conductors	Heat Physics Department	Krivorotov Valeriy Fedorovich	\$56,000							US:2 Canada:2 EU:2
UZ-114	Development of Technology for Diagnostics and Monitoring the Dispersion Characteristics of Atomising Units for Nuclear Reactor Water	Institute of Nuclear Physics	Rakhmanov Akhror	\$185,273							US:2 Canada:2 EU:2
UZ-115	Ultrasonic Aerosol Inhaler	"NITOM"; The scientific and technical enterprise	Tkachenko Galina	\$88,400							US:2 Canada:2 EU:2
UZ-120	System for purification of drinking water	Institute of Nuclear Physics	Khaydarov Rashid	\$142,620							US:2 Canada:2 EU:2

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3. Rewrite / resubmit - see comments

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UZ-128	Developing a method and equipment for electric- pulse purification of industrial sewage by using the vibrational - impact effect	Institute of Power Engineering and Automation	Islamov Bahodir Ikramovich	\$214,000							US:2 Canada:2 EU:2
UZ-130	Development of Technology for Production of Carbon Nanostructural Composite Materials	Institute of Nuclear Physics	Khidirov Irsali	\$269,900							US:2 Canada:2 EU:2
UZ-132	Development astrophysical set-up on the base of Large Solar Furnace	Scientific Association «Physics-Sun» Physical- Technical Institute	Lutpullaev Sagdylla	\$202,000							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- local interaction of disistory processors.	Bugaev V. A. The Central Asian research and development hydrometeorological institute	Arushanov Mihail	\$149,107							US:1 Canada:2 EU:2
UZ-134	Research and development of technique and technology of cotton seed growth stimulation.	Bukhara Regional Scientific Center	Safarov Adil	\$180,000							US:2 Canada:2 EU:2
UZ-135	Research and development of both technique and technology of oil-bearing crops plant cell destruction.	Bukhara Regional Scientific Center	Safarov Adil	\$144,000							US:2 Canada:2 EU:2
	Subtotal Regular Uzbek Projects App	proved:		\$12,907,420	\$721,410	\$0	€ 182,000	\$0	\$721,410	\$ 721410 € 182000	
3014	Novel oxygen-, nitrogen, chalcogan-cotaining platinum metal complexes for the correction of cardiovascular disturbance under extreme	Vernadskii Institute of General and Inorganic Chemistry	Volkov S. V.	\$199,265							US:2 Canada:2 EU:2
3054	Two-colour laser projection screen on the basis of doped cholesteric liquid crystals	Institute of Physics	llchishin Igor Pavlovych	\$198,780							US:2 Canada:2 EU:2
3133	Solitons and Breathers in Condensed Media	Georgian Technical University	Adamashvili Guram	\$100,000							US:2 Canada:2 EU:2
3137	Fabrication, Testing and Techno-Economic Comparison of Novel Photovoltaic Modules with Different Optical Concentrators	"OPTICA" Scientific Research Institute	Avaliani Jemal	\$48,000							US:2 Canada:2 EU:2
3143	Development of the New Biological Active Polymeric Materials for Medicine	Institute of Macromolecular Chemistry	Galatenko Natalia	\$306,667							US:2 Canada:2 EU:2
3154	Development of Basics, Methods, Technical Facilities for Evaluation of Human in Unfavorable Ecological Conditions Adaptation Processes	Tbilisi State Medical University	Jaiani Sergo	\$187,990							US:2 Canada:2 EU:2
3163	Special purpose polymer composites from petroleum products, mineral raw materials, industrial or post-consumer waste from Transcaucaus	Institute of Macromolecular Chemistry	Fainleib Oleksandr Markovych	\$260,000							US:2 Canada:2 EU:3
3164	Development of low temperature resistance biogas- digester for sub-continental and cold climatic zones	Union `Bioenergy`	Bitsadze Bitsadze Philimon	\$120,920							US:2 Canada:2 EU:2

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#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US	Comments Conditions
3179	The investigation of ultrastructural changes of cytoskeleton in biopsies and postoperative materials	Tbilisi State Medical University	Ekaterine Kldiashvili	\$109,853		10.1.01					US:2 Canada:2 EU:2
3263	Individual Protective Sheets of Basalt-Titanium- Aluminum Ceramics by Hot Vacuum Compaction	Institute of Mining Mechenics	Chikhradze Nikoloz	\$187,950							US:2 Canada:2 EU:3
3269	Mathematical methods for investigation of ecological problems: analysis, synthesis, and control	Glushkov Institute of Cybernetics	Skopetsky Vasyl	\$183,003							US:1 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:1 Canada:2 EU:2
3395	The investigation of characteristic features of inflammation and neoplasias developed on the background of chronic infections	Tbilisi State Medical University	Kldiashvili Ekaterine	\$85,262							US:1 Canada:2 EU:2
3544	Molecular Changes in Response to Stress Induced by Corticotropin Releasing Factor Administration and Role of Catecolamines in	I. Beritashvili Institute of Physiology	Japaridze Nadezhda (Nana) J.	\$297,100							US:1 Canada:2 EU:1
3611	Development and Fabrication of Novel Materials Based on Clad Al-Me Powders	F. Tavadze Institute of Metallurgy and Materials Science	Varshalomidz e Guram	\$247,685							US:2 Canada:2 EU:1
3614	Device of monitoring for the railway rolling-stock.	Georgian Technical University	Mgebrishvili Nickolas	\$126,000	\$126,000				\$126,000	\$ 126000	US:5 Canada:2 EU:1
3622	Development of high-performance heat-, wear- resistant ceramic composites fabricated by self- propagating high-temperature synthesis with	Institute of Metallurgy and Material Sciences of Georgian Academy of Sciences	Tavadze Giorgi Ferdinand	\$181,672							US:1 Canada:2 EU:1
GE-27	Multicriterial Optimization of Adaptive Sensors Developed for Ecological Monitoring	Institute of Control Systems	Salukvadze Mindia	\$139,000							US:2 Canada:2 EU:2
GE-44	System of computer-aided design of information and control systems (I&C) for technological processes (SCADA/MMI system)	Georgian Technical University	Gogichaishvily Georgy G.	\$169,970							US:2 Canada:2 EU:2
GE-47	Plasticity of titanium and its alloys in high-strength state	Frantsevich Institute for Problems of Materials Science	Minakov Veniamin Mikolajovich	\$246,449							US:1 Canada:2 EU:2
GE-66	Development of Microdispersed Nanostructures at the Surface of Objects which Operate under Extreme Conditions of Loading.	Georgian Technical University	Sulamanidze Artur Konstantinovi	\$172,000							US:2 Canada:2 EU:2
GE-79	Researches, Design, Development and Integration of Environmentally Clean Ozone-Safe System of Fire/Explosion prevention on launch vehicles for integrational programs	"Pivdenne" State Design Bureau	Nezhovany Evgen Petrovych	\$195,000							US:2 Canada:2 EU:2

1. Review Incomplete

2. Review Complete - No willingness to fund

3. Rewrite / resubmit - see comments

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#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + FURO	Comments Conditions
	Development of the mobile arc plasma apparatus for fussing of hard materials	Institute of Mining Mechenics	Gelenidze Medgari	\$193,850					111.3 .01		US:2 Canada:2 EU:2
	Development of Technology for Manufacture Heatproof Ceramic Elements for High Temperature Gas Turbines	"Pivdenne" State Design Bureau	Shnyakin V	\$120,000							US:2 Canada:2 EU:2
	Technology and Equipment for Production of Prepregs from Various Fillers by Method of "Dry" Infiltration	"AINSKI" Scientific-Production Company	Mgaloblishvili Yuza Volodimirovic	\$195,000							US:2 Canada:2 EU:2
	Development of the effective bacterial leaching technology of low grade manganese ores and slimes	Caucasian Institute of Mineral Resource	Shakhvadze Lamara	\$242,810							US:1 Canada:2 EU:2
GE-100	Brazing Technology of Metals to Ceramics	Georgian Technical University	Okrosashvili Michael	\$159,900							US:2 Canada:2 EU:2
	Development of New Structural Materials for Neutralization and Location of Neutron Irradiation Sources	Institute of Physical and Organic Chemistry of NASG	Givi Papava	\$97,710							US:2 Canada:2 EU:2
	The technology of production of ultradispersed and nanometric powders	Georgian Technical University	Okrosashvili Mikhail	\$131,455	\$131,455				\$131,455		US:5 Canada:2 EU:2
	Elaboration of Highly-active intestinal and staphylococcal bacteriophages in suppository forms for the application in a medical practice.	Institute of Bacteriophagy, Microbiology and Virology	Giorgadze Inga	\$142,720							US:2 Canada:2 EU:2
GE-116	Liquid Crystal Laser	Institute of Cybernetics	Tsintsadze Givi	\$94,000							US:2 Canada:2 EU:2
	Development new technology for cladding surfaces by cumulative charges	"Delta" Research and Development Center	Kabulashvili Vaja	\$131,360							US:2 Canada:2 EU:2
	Prolonged acting, high effective, antimastitis preparation composed of bacteriophages, hyaluronidase and biodegradable polymer	Georgian Technical University	Beridze Vakhtang	\$249,080							US:2 Canada:2 EU:2
	Comporative Analisis of an Etiological Role and Specific Gravity of E.Coli in the Development of Inflammatory Processes in Suppurative Surgery	G. Eliava institute of Bacteriophage, microbiology and virology	Tchghkonia Irine	\$60,900							US:2 Canada:2 EU:2
	Study of the Possibility of the Phagoprophylaxis of Supporative Infections at Hospital of Burn Tipe	G. Eliava institute of Bacteriophage, microbiology and virology	Dzidzishvili Luisa	\$51,660							US:2 Canada:2 EU:2
	Creation of the new paramedical remedy and its application to the treatment and the prevention of the heart ischemia disease	Scientific Laboratory-Enterprise "PIGMENTI" LTD.	Kochlamazas hvili Avtandil	\$125,029							US:2 Canada:2 EU:2
	Explosive fabrication of novel materials from nanocrystalline powders	Institute of Mining Mechenics	Chikhradze Nikoloz	\$123,350							US:8 Canada:2 EU:8

1. Review Incomplete

2. Review Complete - No willingness to fund

3. Rewrite / resubmit - see comments

STCU Funding Table 19th Governing Board Meeting February 10, 2005

#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union	Other (US \$)	Total Funding	Total Funding (US \$ + FURO	Comments Conditions
GE-127	Pulse plasma jet generator	Georgian Technical University	Manader Gelenidze Medgar Noe	\$205,355		10.9 21					US:2 Canada:2 EU:2
	Hyaluronidase ointment as an effective remedy for treatment of hypertrophic scars of different origine	G. Eliava institute of Bacteriophage, microbiology and virology	LOLADZE Manana J	\$55,000	\$55,000				\$55,000	\$ 55000	US:5 Canada:2 EU:2
	Creation of the treatment-and-prophylactic phage preparation against pathogenic e coli in animals	Zooveterinary Academy of Georgia	Gabisonia Tarasi	\$52,000							US:2 Canada:2 EU:2
	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 recorpoirs and coils of the Black	Tbilisi Ivane Javakhishvili State University	Oniani Jaba	\$189,900							US:2 Canada:2 EU:1
	Subtotal Regular Georgian Projects A	Approved:		\$6,741,355	\$312,455	\$0	€0	\$0	\$312,455	\$ 312455 0	
	Investigations of Layered III-VI Crystals and Epitaxial Films for Applications in Photoelectronics and Non-linear Optics	Chernivtsi Department of the Institute of Materials Science Problems	Kovalyuk Zakhar	\$195,000	\$195,000				\$195,000	\$ 195000	US:5 Canada:2 EU:2
	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:1
	Geophysical prospecting technology development for petroleum search at shelf zones by geoelectromagnetic fields scanning	Institute of Geology and Geophysics	Novruzov Etibar Sejfulla	\$196,000							US:2 Canada:2 EU:1
	Development of the efficient technology for eliminating environmental aftermaths in transport, military conflicts and terrorism acts	"Pivdenne" State Design Bureau	Tonkonozhen ko Anatoliy Mstislavovich	\$252,000	\$126,000		€ 97,000		\$126,000	\$ 126000 € 97000	US:5 Canada:2 EU:5
	Nanostructural trends in the forming of new glassy- like materials for optoelectronics	Vernadskii Institute of General and Inorganic Chemistry	Volkov Sergij	\$195,250							US:1 Canada:2 EU:3
	Novel Catalytic Chalcogenide and Chalcogen Halide Compounds of Metals for Conversion of Methane or Synthesis Gas	Institute of General and Inorganic Chemistry	Pekhnyo Vasilii	\$202,566							US:8 Canada:2 EU:2
	Recovery of flow area of collapsed part of a production string in the oil and gas wells	"Pivdenne" State Design Office	Sitalo Volodymyr	\$250,000							US:2 Canada:2 EU:2
	Cyberterrorism after September 11, 2001: critical infrastructure threats assessment and analysis of their neutralization methods	Geology Institute	Ibrahimov Vagif B.	\$91,000							US:2 Canada:2 EU:2
	International System of Remote Cooperation and Training for Ukraine - Caucasus (Pilot Project)	Institute for Condensed Matter Physics	Protzykevich Igor A	\$180,047			€ 138,000			€ 138000	US:1 Canada:2 EU:5
	Weak earthquakes in seismic mapping of active faults and relation of seismotectonism to finding hydrocarbon deposits.	Association of Seismologists of Azerbaijan	Gasanov Arif	\$80,020							US:2 Canada:2 EU:2

1. Review Incomplete

2. Review Complete - No willingness to fund

3. Rewrite / resubmit - see comments

STCU Funding Table 19th Governing Board Meeting February 10, 2005

#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union	Other (US \$)	Total Funding (US \$)	Total Funding (US	Comments Conditions
	Diffusion and ion-exchange processes in chalcogenide semiconductor nanoparticles , formed in volume of polymer matrix	Baku State University	Muradov Mustafa Bayram oglu	\$263,950	\$213,950				\$213,950		US:5 Canada:2 EU:2
3515	Low-Power Clathrate Desalting Plant	"Pivdenne" State Design Office	Tretyakov Kostyantyn Oleksiyovych	\$199,694	\$200,000				\$200,000	\$ 200000	US:5 Canada:2 EU:1
	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							US:8 Canada:2 EU:1
3540	Electronic Navigator	Kiber Ltd Company	Pashayev Adalat Bakhtiyar	\$164,994							US:2 Canada:2 EU:1
	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:1
3619	Ternary phosphors for visualization and lighting	Institute of Physics	Musayeva Nahida Nazim gizi	\$56,140							US:1 Canada:2 EU:1
	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							US:8 Canada:2 EU:1
AZ-01	Creating the solar furnace on base of a military searchlight to the fullerene manufacturing	Azerbaidjanian Architectural Engineering Institute	Amdulla Mekhrabov	\$199,000							US:2 Canada:2 EU:2
	Subtotal Regular Azerbaijan Projects	Approved:		\$3,448,827	\$734,950	\$0	€ 235,000	\$0	\$734,950	\$ 734950 235000	
	Subtotal Regular Projects Approved:			\$63,869,794	\$2,474,835	\$70,000	€ 775,000	\$0	\$2,544,835	\$ 2544835 € 775000	
	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 Xubimovich	\$23,299	\$23,299				\$23,299	\$ 23299	US: Canada: EU:
	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 Xubimovich	\$162,685	\$162,685				\$162,685	\$ 162685	US: Canada: EU:
	Energetic ions in toroidal fusion devices	Institute for Nuclear Research	Kolesnichenk o Yaroslav Ivanovych	€ 32,000			€ 32,000			€ 32000	US: Canada: EU:
P083c	Development of heat pipes' capillary structures for solar receivers	"Kharkiv Institute of Physics and Technology" National Scientific Center	Volodymyr Mykhaylovych Baturkin PhD	\$25,000	\$25,000				\$25,000	\$ 25000	US: Canada: EU:
P101	ADAPTATION OF POWER MODULES OF A POWE SUPPLY SYSTEM FOR USE ON AN ION-PLASMA INSTALLATION AND THEIR FULL-SCALE TESTS	Institute of Electrodynamics	Yuri Rudenko	\$22,221	\$22,221				\$22,221	\$ 22221	US: Canada: EU:

1. Review Incomplete

2. Review Complete - No willingness to fund

3. Rewrite / resubmit - see comments

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#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union	Other (US \$)	Total Funding (US \$)	Total Funding (US	Comments Conditions
	Studying the intra -species variability of different geographical populations of Verticillium dahliae and Fusarium oxysporum f. sp. vasinfectum and these agreesiveness is respect to pay developed	Uzbek Scientific Research Institute of Crop Protection	Abbaskhan Marupov		\$299,665				\$299,665	\$ 299665	US: Canada: EU:
	Design, construction and onsite testing of a new n- gamma - logging device for environmental and geological applications	Department of Optical and Constructional Crystals of Scientific & Technological Concern "Institute for Single Crystals	Nikolai Z. Galunov	€ 14,446			€ 14,446			€ 14446	US: Canada: EU:
	Design, construction and onsite testing of a new n- gamma - logging device for environmental and geological applications	Department of Optical and Constructional Crystals of Scientific & Technological Concern "Institute for Single Crystals	Nikolai Z. Galunov	€ 7,518			€ 7,518			€ 7518	US: Canada: EU:
P134a	Preliminary investigation of Manitoba basalts suitability for basalt fiber manufacturing	Institute of Problems of Materials Science	Vladimir Sergeev	\$22.000		\$22.000			\$22.000	\$ 22000	US: Canada: EU:
	Cost-Effective Production of Powder Metallurgy Titanium Components for High-Volume Commercial Applications	Institute for Metal Physics	Orest Ivasishin	\$420,000	\$420,000				\$420,000	\$ 420000	US: Canada: EU:
	Novel Methods To Produce Cotton Somatic Embryos From Gossypium Hirsutum And Other Species	Institute of Genetics and Plant Experimental Biology	Miraziz Ahmedov	\$300,000	\$300,000				\$300,000	\$ 300000	US: Canada: EU:
	Process Development: Low Cost, Continuous Nano-Scale Purification Technology of Powdered Carbonaceous Materials for Applications in	L.M. Litvinenko Institute of Physical Organic and Coal Chemistry	Mykhaylo V. Savoshkin	\$1.050.000	\$1,050,000				\$1,050,000	\$ 1050000	US: Canada: EU:
P156	Ukrainian Language Acquisition System	ELEKS Ltd.	Yaroslav Dmytrotsa	\$44,906		\$44,906			\$44,906	\$ 44906	US: Canada: EU:
	Management and Destruction of Obsolete Pesticides in Pilot Oblasts in Ukraine (Cherkassy and Lviv Oblast)	National Agrarian University	Victoria Iocipivna Lokhanska	\$300,000	\$300.000				\$300,000	\$ 300000	US: Canada: EU:
	Scientific Protoc0l 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	€240,179			€240,179			€ 240179	US: Canada: EU:
P176	Experiments at Kyiv Research Reactor	Institute for Nuclear Research	Olena Gritzay	,	\$99.225				\$99.225	\$ 99225	US: Canada: EU:
	Energy migration and developing geological interpretation functionality based on full-wave modeling in Tesseral 2-D software	Ukrainian State Geological Research Institute	Yuri Roganov	\$133,638		\$133,638			\$133,638	\$ 133638	US: Canada: EU:
P194	Microbial Diversity for Novel Biotechnology Applications	Institute of Microbiology	Madina Shakirzyanova	\$105,000	\$105.000				\$105,000	\$ 105000	US: Canada: EU:
	Microbial Diversity for Novel Biotechnology Applications	Durmishidze Institute of Biochemistry and Biotechnology	Dr. Tinatin Sadunishvili	\$105,000					\$105.000	\$ 105000	US: Canada: EU:
P201	Optimized Deposition Processes for Protective Layers on Polyacrylic Fresnel Concentrator Photovoltaic Modules	"Kharkiv Institute of Physics and Technology" National Scientific Center	Volodymyr Strelnytskiy	\$100,000					\$100,000	\$ 100000	US: Canada: EU:

1. Review Incomplete

2. Review Complete - No willingness to fund

3. Rewrite / resubmit - see comments

#	Full Title	Leading institution	Project Manager	Requested	USA (US \$)	Caneda (IIS \$)	European Union	Other (US	Total Funding	Total Funding (US	Comments
P202	Development, manufacturing, delivery and tuning of a system of Heavy Ion Beam Probe diagnostic for WEGA stellarator	Institute of Plasma Physics, "Kharkiv Institute of Physics and Technology" National Scientific Center		€ 49,088			€ 49.088				US: Canada: EU:
P207	Development of advanced high-resolution piezoelectric translation stage for optical and life science applications		Serhiy Petrenko		\$60,000			1	\$60,000		US: Canada: EU:
P209	Coatings Research and Development Program	Institute for Sorption and Problems of Endoecology	Volodymyr V. Brey PhD	\$761,762	\$761,762				\$761,762		US: Canada: EU:
P213	Long/Thin Forming, Welding, and Subsequent Processing of Ti-Alloys	_	Yuriy Victorovich Orsa	\$28,000	\$28,000				\$28,000		US: Canada: EU:
	Subtotal Partner Projects Approved:			\$ 4,062,401 € 343,231		\$200,544	€ 343,231	\$0	\$4,062,401	\$ 4062401 € 343231	
	TOTAL:			\$ 67,909,941 € 343,231		\$270,544	€ 1,118,231	\$0		\$ 6607236 € 1118231	

Status 3. 4: all comments available at STCU

Mr. V. Alessi USA Board Member

Ms. Francoise Ducros Canadian Board Member

Mr. Y. Yatskiv

Ukrainian Board Member

Mr. Zoran Stanéić EU Board Member (for the European Commission)

Barøn Willem Bentinck **E**U Board Member (for the EU Presidency)

STCU SUPPLEMENTAL BUDGET 19th Governing Board Meeting, February 10, 2005

#	Full Title	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)
Supr	lemental Budget:					•	· · · · · · · · · · · · · · · · · · ·
Activ	vity:						
01	Technical, Collaborator, and Contractor Travel Support (Project Related)	\$50,000	- 1	-	-	\$50,000	\$50,000
02	Information Technology Support	-	-	-	-	-	-
03	Communications Support	-	-	-	-	-	-
04	Business Training/Sustainability Support	\$14,046	\$1,660	€4,053	-	\$15,706	\$ 15706 € 4053
05	Patent Support	-	-	-	-	-	-
06	Travel and Mobility Support	\$81,144	\$9,588	€23,414	\$97,000	\$187,732	\$ 187732 € 23414
07	Expert Contract (Program Related)	-	-	-	-	-	-
08	Expert Review and Advisors	-	-	-	-	-	-
09	Seminars/Workshops Support	\$21,503	\$2,541	€6,205	-	\$24,044	\$ 24044 € 6205
10	Service Contracts	\$1,400,000	-	€213,500	-	\$1,400,000	\$ 1400000 € 213500
11	Targeted R&D Initiatives	\$338,100	\$39,950	€97,560	-	\$378,050	\$ 378050 € 97560
12	Targeted Training	\$79,115	\$9,348	€22,830	-	\$88,463	\$ 88463 € 22830
Tota	Supplemental Budget:	\$1,983,908	\$63,087	€367,562	\$97,000	\$2,143,995	\$ 2143995 €367562

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Mr. V. Alessi USA Board Member

Ms. Francoise Ducros Canadian Board Member

Mr. Y. Yatskiv

Ukrainian Board Member

Mr. Zoran Stanćić EU Board Member (for the European Commission)

Baron Willem Bentinck EU Board Member (for the EU President)