

STCU PROJECT FUNDING TABLE

7th Governing Board Meeting, December 10

1998

10.12.98 12:44

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (ECU)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
15 (R)	Design, Development and Investigation of the Coordinate Detector and Flexible Interconnection Cables for the International Experiment ALICE at CERN and Other Applications	Borshchov Viacheslav M. (0572) 23-1180, (0572) 23-0121 (f)	Scientific Research Technological Institute of Instrument Engineering 40/42, Primakova str., Kharkiv 310010	229 076	50 000		50 000	43 450	50 000	150 000	US:4, 5, EU:5
53 (C)	Radioprotective Materials and Structures Technologies Based on Fine-Disperse Compositions	Shevtsov Anatoliy (0562) 99-33-67, 92-50-78 fax: 92-50-41, 92-50-78	"PIVDENNE"	215 000							US:1
138	Elaboration of Principles of Constructing Ground-Based and Orbital Multi-Element Interferometers for Observation in Optical and Radio Wave Ranges	Kornienko Yuriy V. (0572) 22-8398, (0572) 44-1105 (f), ire@ire.kharkov.ua	Institute of Radio Physics and Electronics of the NASU 12, Ac.Proscura str., Kharkiv 310085	121 748						0	2
255	The Investigation of the Electrodynamics of Slow Down Structures of HF-Devices for the Accelerators of the New Generation	Onishchenko Ivan M. (0572) 35-6623, (0572) 35-1738 (f), onish@linda.kipt.kharkov.ua	"Kharkiv Institute of Physics and Technology" National Scientific Center 1, Academichna str., Kharkiv 310108	54 560						0	2
260	Working Out High Average Power Induction Linear Accelerator (HAPIL) for Radiation Technologies	Kornilov Eugene A. (0572) 40-4423, (0572) 35-3564 (f), kornilov@rocket.kharkov.ua	"Kharkiv Institute of Physics and Technology" National Scientific Center 1, Academichna str., Kharkiv 310108	305 641						0	2
294	Research and Development of Fuel and Construction Materials for Accelerator Driven Plutonium Disposition and Nuclear Waste Transmutation Systems Using Molten Fluoride Blankets	Rozhkov Volodymyr V. (0572) 35-3887, (0572) 35-2995 (f), rozhkov@ipp.kharkov.ua	"Kharkiv Institute of Physics and Technology" National Scientific Center 1, Academichna str., Kharkiv 310108	749 921						0	US:1
340	High-Capacity High-Tension Power Supply Units (HPSU) for Electric Filters Used in Industrial Gas Purification Systems	Bobkov Valentyn D. (0612) 34-4761, (0612) 34-2379 (f), root@kbea.zaporizhzhya.ua	"Electroautomatica" Design Bureau 166, Lenin ave., Zaporizhzhya 330035	246 950						0	2
345	The Study of Methane in the Air Discovery Method with the Help of Submm Range Laser	Kuleshov Evgen M. (0572) 448-328, (0572) 441-105 (f)	Institute of Radio Physics and Electronics of the NASU 12, Ac.Proscura str., Kharkiv 310085	85 000						0	2

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359	Development of Equipment for Multi-Cycle Cultivation and Electrophoretical Separation of Microorganisms for Solution of Ecological Problems	Getmanets Volodymyr	Institute for Low Temperature Physics and Engineering 47, Lenin ave., Kharkiv 310064	197 000						0	US:1
383	Development and Introduction into Industry of a Number of Powerful Semiconductor Devices with MOS Control and Electronic Circuits of Energy-Saving Equipment Based on Them	Politsanskii Leonid F. (04622) 6-1865, (04622) 6-0862 (f)	"RUTA" Special Design Bureau 248, Ruska str., Chernivtsy 274023	160 000						0	2
387	Radionet of Telemetry Information	Malyuga Valery (044) 220-9601, (044) 227-23-17 (f)	"KVANT" Scientific and Research Institute- 5, Dimitrova str., Kyiv 252006	107 666						0	2
396	Multichannel System for Infrared and Millimeter Wave Investigations	Kuz"kov Volodymyr P. (044) 266-4769, (044) 266-2147(f)	Main Astronomic Observatory Golosiiv-22, Kyiv 252650	95 194						0	2
410	Elaboration of Unifying Design Methods of Ecological Monitoring and Medical Thermovision Systems	Kolobrodov Valentyn G. (044) 441-1022, (044) 411-9068	"Kyiv Polytechnical Institute" National Technical University of Ukraine 37, Peremohy ave., Kyiv 252056	37 940						0	2
445	Low Temperature Solid State Radiation Researches Research Unit Creation	Zhidkov Alexander V. (044-293) 51-974, (044) 263-2138 (f)	"SHELTER" Interbranch Scientific and Technical Center Chornobyl	263 600						0	US:1
456	Development of an Automated Vibrodiagnostic System for the Monitoring of Energetic Equipment at a Power Station	Domashev Eugeni D. (044) 441-7377, (044) 446-9049 (f), eugeniy@itff.kiev.ua	Institute of Technical Thermophysics of the NASU 2a, Zheliabov str., Kyiv 252057	102 520						0	2
495	Creation of Low-Noise Multichannel Receivers to Equip Radiotelescopes P-2500 and RT-22. Research of Compact Radiosources in the Universe by Very Long Baseline Interferometry	Lebid' Volodymyr L. (044) 477-9372, (044) 477-6208 (f)	"Saturn" Scientific and Production Open Joint-Stock Company 2b, 50 Rychya Zhovtnya ave., Kyiv 252148	199 955	180 000					180 000	US:4, 5

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501	Elaboration and Application of Theoretical and Experimental Methods of Investigation of Strength, Stability and Fracture of Materials and Structural Elements of Energetical and Chemical Engineering and Nuclear Energetics	Guz' Olexander M. (044) 271-8352, (044) 446-0319 (f)	Institute of Mechanics of the NASU 3, Nesterova str., Kyiv 252057	110 150						0	2
514	Development of Super-Conductive Solenoid and Experimental Research of Magneto-Static Generation Effect of the Direct Radiation	Gorileichenko Yury B. (0562) 99-3228, (0562) 92-5041 (f)	"Pivdenne" State Design Bureau 3, Kryvorizka str., Dnipropetrovsk 320059	420 000						0	2
521	Creation of Electric Discharge Contactless Temperature Meter	Fal'kovsky Mykola I. (044) 441-2534, (044) 446-9494 (f)	Institute of Electrodynamics of the NASU 56, Peremohy ave, Kyiv 252680	89 840						0	US:1
523	Design, Creation and Providing of Series Production of Silicon Pressure Sensors for Ukrainian National Economy	Romanov Valentyn O. (044) 265-6370, (044) 265-8342 (f), mickle%semicond.kiev.ua@ts.kiev.ua	Institute of Semiconductor Physics of the NASU, Kyiv	103 140						0	2
532	New Computer-Aided Technology Development for the Investigation of the Process of Both Chemical Substances from Outer Environment and Medicines Penetrating Through the Skin, Based on the Fundamental Transfer Process Conceptions	Perestyuk Mykola O. (044) 266-2207	Kyiv Taras Shevchenko University, Kyiv	120 266						0	2
541	Design and Attestation of Highly-Integrated Radioelectronic Equipment (REE) Production Technology Through Use of Large-Format Microassemblies (LFMA) on the Base of Substrates Produced by Thermoconductive Ceramics	Mudla Borys G. (044) 266-6203	Institute for Problems of Mathematical Machines and Systems	260 000						0	EU:2 US:1

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549	Study of the Carriers of Human and Industrial Animals Transmissible Diseases Agents (Blood-Sucking Mosquitoes, Fleas, Mites) in Ukraine and Elaboration of Ecologically Safe Methods for Controlling Them and Protection of Them	Verves Yuri G. (044) 266-9568	Kyiv Taras Shevchenko University 64, Volodymyrska str., Kyiv 252033	201 480						0	US:1
552	The Foundations of Synthesis and the Formation of Defensive Coating with the Purpose of Creating Chemical Resistant Materials on the Basis of Oligomer Reactive Compositions	Shevchuk Olexander V. (044) 559-6411	Institute of Micromolecular Chemistry, Kyiv	234 800						0	US:1
557	Psychometric Investigation of Decision Making Process	Malaychuk Valentyn P. (0562) 46-5274, (0562) 46-6282 (f)	Dnipropetrovsk State University 13, Provulok Naukovy, Dnipropetrovsk	136 020						0	US:1
562	Development of Scientific Base for Designing Software/Hardware Crime-Detection Complex for Carrying Out Phonoscope Expertise	Gorban Igr I. (044) 266-6174, (044) 446-8129 (f), gorban@immisp.kiev.ua	Institute of Mathematical Machines and Systems 42, Glushkov ave., Kyiv 252187	65 940						0	2
574	Development of Semi-Spherical Resonator Gyros for Non-Military Applications	Pavlovsky Mykhailo A. (044) 274-2017, (044) 441-1572 (f)	"Ritm" Interbranch Research Institute of Mechanics Problem at the National Technical University "KPI" 37, Peremohy ave., Kyiv 252056	75 200						0	2
611	Development of the Apparatus for Ultrasonic Cleaning of Contact Lenses	Grinev Volodymyr B. (0572) 40-0560 (f), kisson@kpi.kharkov.ua	"Innovation Center "Eskort" Limited Company Box 10122, Kharkiv 310002	118 900						0	US:1
622	Study and Development of Fluorescent Indicator Materials for Magnetic Powder Defectoscopy	Zhelibo Evgen P. (044) 444-0355, (044) 452-0276 (f)	Institute of Colloid Chemistry and Chemistry of Water of the NASU 42, Vernadsky ave., Kyiv 252680	98 000						0	US:1

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629	Development and Introduction of Technology for Anode Spark Hardening of Construction Material Surfaces	Tuhuzov Igor G. (0572) 40-8285, (0572) 40-8284 (f)	"AEK" Inter-Regional Association Floor6, Entrance4, Gosprom, Kharkiv 310022	124 720						0	US:1
630	Ultra-Sonic Testing of Textured Pipelines for Gas and Oil	Shmatko Oleg A. (044) 444-9584, (044) 444-2561 (f)	Institute for Metal Physics of the NASU 36, Vernadsky ave., Kyiv 252142	93 544	84 190	9 354				93 544	US:5, CA:5
633	Development and Building of Original Injection System for Group of Communication Spacecraft by One Zenit Launch Vehicle in National Economy's Interests	Smetania Yuri O. (0562) 42-2743, (0562) 92-5140 (f)	"PIVDENNE" State Design Bureau ("YUZHNOYE"), Dnipropetrovsk	280 000						0	US:1
637	High Content Liquid Crystal Displays with a memory on Cholesteric - nematic Mixtures	Sorokin V.M. (044) 265-9786, (044) 265-0555 ( )	Institute of Physics of Semiconductors	171 340	150 000					150 000	US:4, 5
640	Integrated Plant for Removing Bacterial, Chemical and Radioactive Pollutants from Water	Klimenko Natalya A. (044) 444-0196, (044) 452-0276 (f), honch@iccw.freenet.kiev.ua	Institute of Colloid Chemistry and Chemistry of Water of the NASU 42, Vernadsky ave., Kyiv 252680	207 790						0	2
644	The Spatter Method For Creation Of Bulky Metal Alloys	Maiboroda V. (044) 444-3364	Institute for Problems of Material Science, Kyiv	200 000						0	US:1
648	Sulphur-Sodium Cell Batteries for Power Supply to Traction Motors of Transport System	Rozoumny Volodymyr D. (0322) 59-2042, (0322) 34-4061 (f)	"Institute of Mining and Chemical Industry" Open Joint Stock Company 98, Stryiska str., Lviv, 290026	115 000						0	2
655	Development of Scientific Foundations for Creating Structural Composites by Radiation Methods	Neklyudov Ivan M. (0572) 35-6368, (0572) 35-1738 (f), kfi@rocket.kharkov.ua	"Kharkiv Institute of Physics and Technology" National Scientific Center 1, Academichna str., Kharkiv 310108	180 000						0	2

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662	Protective Lining for Chimneys and Gas Ducts Made of Nonmetallic Composite Materials: Selection and Certification of Materials, Development of Scientific-Methodical Base and Production Facilities	Potapov Olexander M. (0562) 92-5113	"PIVDENNE" 3, Kryvorizhska str., Dnipropetrovsk 320059	249 687						0	US:1
700	Development Of technologies Of Tubes With Tube Plates' Pulsing Connection In Heat-Exchange Apparatus, Used In a Chemical Engineering Industry And In A Nuclear Power	Sytalo Volodymyr G. (0562) 92-5113	"PIVDENNE" 3, Kryvorizhska str., Dnipropetrovsk 320059	241 425			223 403	194 139		223 403	US:1 EU:4, 5
704	Designing and Production of Experimental Sample of Multifunctional Wind Power Desalting Plant with 150 L Water Output per Day for Private User	Ushkin Mykola (0562) 42-0020	"PIVDENNE" 3, Kryvorizhska str., Dnipropetrovsk 320059	237 000	200 000					200 000	US:4, 5
706	Technological Lubricant	Shcola Oleg I. (0562) 41-7501	"PIVDENNE" 3, Kryvorizhska str., Dnipropetrovsk 320059	196 860						0	2
709	Development of Technique of Computing Experiment Realization on Increase of Windpower Reliability and Resource	Anatoly S. Kirichenko (0562) 42-0020 (05672) 32-092 (f)	"PIVDENNE" 3, Kryvorizhska str., Dnipropetrovsk 320059	117 650						0	2
710	Pectin from Beet Pulp	Rowensky Volodymyr (0562) 47-0556	"PIVDENNE" 3, Kryvorizhska str., Dnipropetrovsk 320059	168 520						0	US:1
711	Investigation of Physical Processes in Biomacromolecules Using Micro-Electronic Silicon Deveeces and Creation of Biomedical Devices on their Basis	Kharkianen Valery M. (044) 266-0217	Institute of Physics	220 000						0	US:1 EU:2
712	Aluminum Heat Pipes with Axial Grooves of the Optimized Shape	Petrov Yuri V. (0562) 47-2987	"PIVDENNE" 3, Kryvorizhska str., Dnipropetrovsk 320059	130 700						0	US:1

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716	Electrodynamical Investigation of Microwave Filters on a High-Q Dielectric Resonators	Trubin Alexander O. (044) 441-1271	"Kyiv Polytechnical Institute" National Technical University 37, Peremohy ave., Kyiv 252056	65 500						0	2
718	Development of Technologies and Equipment for Plasma-Detonation Surface Modification of Pieces from Quality Steels and Alloys	Yushchenko Kostyantyn A. (044) 227-4353 (f)	Paton Electric Welding Institute of the NASU 11, Bozhenko str., Kyiv 252650	229 000						0	2
726	Development of Ferromagnetic Shape Memory Alloys and Elaboration of New Magnetic Actuators on Their Base	Kokorin Volodymyr V. (044) 444-0131, (044) 444-1020 (f), kokor@guukr.freenet.kiev.ua	Institute of Magnetism 36-b, Vernadsky ave., Kyiv, 252680	193 000						0	US:2 EU:1
727	Purposeful Modification of Radiation Properties of Lithium Borate Single Crystals with Controlled Change of Their Isotopic Composition	Burak Yaroslav V. (0322) 72-3853 (f), burak@ifio.lviv.ua	Institute of Physical Optics, Lviv	145 200						0	US:1, EU:1
729	Development of Non-Contact Methods of the Control of Basic (Certificate) Parameters of Tube-Rolling Manufacture	Konovalov Mykola A. (0562) 47-2601	Institute of Technical Mechanics, Dnipropetrovsk	166 320						0	US:1
732	Calculation of Atomic Constants of Atoms and Multi-Charged Ions Necessary for Constructing Roentgen Laser	Lengyel Volodymyr I. (03122) 32-301	Uzhgorod State University, Uzhgorod	75 000						0	US:1
742	Investigation of Fusion Products Influence on the Tokamak-Reactor First Wall	Gavryliuk Viktor I. (044) 265-4350, (044) 265-1402 (f), kivr@sovam.com	"Institute for Nuclear Researches" Scientific Center 48, Nauky ave., Kyiv 252028	78 000						0	2
744	Development of Reclamation Technology for Liquid Rocket Propellant Oxidizer by Its Usage in Intercalated Bubbling Graphite Production	Victor V. Zheleznyak (0562) 99-3518 (0562) 70-0439 (f) E-mail: kbu@public.ua.net	"PIVDENNE" 3, Kryvorizhska str., Dnipropetrovsk 320059	199 800						0	US:1

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745	Development of Quick Response Plants for Spraying Liquid, gaseous and Powder Substances in an Emergency Situation	Volkov Yuri (0562) 99-3363	"PIVDENNE" 3, Kryvorizhska str., Dnipropetrovsk 320059	186 480						0	2
747	Development of Endoprotheses, Arrangements for Production, Manufacture of Experimental Prototypes	Loskutov Olexander Ye. (0562) 46-8486	"PIVDENNE" 3, Kryvorizhska str., Dnipropetrovsk 320059	252 550						0	US:1, EU:2
749	Development of New Medically Oriented Radiophysical Equipment and Measuring Techniques	Prokhorov Evgene F. (0562) 47-3413	Institute of Technical Mechanics, Dnipropetrovsk	186 000						0	2
753	Design and Investigation of Some Functionally Acting Macromolecules	Yashchuk Valeriy M. (044) 266-4587, (044) 513-6671 (f), yashchuk@expphys.up s.kiev.ua	Kyiv Taras Shevchenko State University, Kyiv	128 334						0	US:1, EU:2
758	Development of Nonlinear Structural Analysis Technique and Optimization of Design of Welded T-Joint with Flitch Plate of Main Pipelines	Lazovitski Igor B. (705672) 32-092 (f)	"Laboratory of Complex Technologies" Joint-Stock Company, Pavlograd	59 955						0	US:1
759	Development and Production of a New Generation of Electrolysers for Purification of Industrial Waste Water	Buteiko Yuri M. (044) 274-3186 (f)	"Electroprylad" Scientific and Industrial Complex, Kyiv	150 000						0	US:1, EU:1
760	Development of Scientific Basis of Electroslag Hot-Topping of High-Mass Ingots and Castings with Macrocolers Application	Tsykulenko Anatoly K. (044) 261-5692, (044) 227-5288 (f), medovar@roll.kiev.ua	Science and Engineering Center of Electroslag Technologies of Paton Electrical Welding Institute of the NASU 11, Bozhenko str., Kyiv 252650	268 120						0	US:1
763	Development of the Installation for Generating Steam from Mineralized Waters	Shniakin Volodymyr M. (0562) 42-3459	"PIVDENNE" State Design Bureau, Dnipropetrovsk	180 000						0	US:1

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768	Development of Methods and Radio-Technical System Modes for Subsurface Monitoring of Radioactive Materials	Kluchnikov Olexander O. (04493) 517-38	"World Laboratory" International Center for Scientific Culture, Kyiv	250 000						0	US:1
772	Perspective Methus of Elaboration for a Scattering Characteristic Calculation of Arbitrary Shape Objects in Loss and Dispersion Media	Sukharevsky Oleg I. (0572) 44-8475	Institute of Radiophysics and Electronics, Kharkiv	137 976						0	US:1, EU:1
775	Experimental and Theoretical Investigation of Powerful Microwave Source of Vircator Type with Controlled Feedback	Magda Igor I. (0572) 40-4464	Institute of Plasma Electronics and New Acceleration Methods of the National Scientific Center "Kharkiv Institute of Physics and Technology", Kharkiv	246 960						0	2
777	The Optimization and Substantiation of Preliminary Thermomechanical Loading of the Reactors Thermoresistant Steels with the Aim to Increase Service Life of Reactors-Pressure Vessels under Radiation of Nuclear Reactor WWER, Operated in Ukraine	Klimov Olexander V. (0562) 42-3459	"PIVDENNE" State Design Bureau, Dnipropetrovsk	250 000						0	2
783	Investigations and Adaptation of the Complex of Ion-Plasma Equipment for Bio-Medical Technologies	Zykov Olexander V. (0572) 35-2550	Kharkiv State University, Kharkiv	175 736						0	US:1, EU:2
789	Investigation, Utilization and Averting of Super Deep Penetration of Micron Particles Into Crystalline Material on Macroscopic Distance during Pulse Loading	Zasimchuk Igor K. (044) 450-3470	Institute of Metal Physics, Kyiv	160 800						0	US:1

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790	The Elaboration of Scientific and Engineering Bases for New Generation of Acoustic Leak-Detecting Systems in Municipal and Main Pipelines	Grinchenko Victor T. (044) 441-7405	Institute of Hydromechanics, Kyiv	85 585						0	US:1, EU:3
791	Development of the Sorption Technology of Platinum Metals Evaluation from Waste Products	Tikhonova Lilia P. (044) 444-1381 (f), lilia@chem.sonar.freenet.kiev.ua	"SONAR" Research Center, Kyiv	206 000						0	US:1
792	Creation of the Equipment of Mammary Gland Ultrasonic Diagnosis (Ultrasonic Mammograph)	Marusenko A. (0572) 26-4363	The Joint Stock Company "Scientific Research Institute of Radio Engineering Measurements, Kharkiv	176 000						0	US:1, EU:2
795	Development and Experimental Check of Signals Processing Algorithms for Prospective Ultrasonic Introscopy Equipment	Leontyev V. (0572) 26-4363	"Scientific Research Institute of Radio Engineering Measurements" Joint Stock Company, Kharkiv	180 000						0	2
799	Mathematical Simulation of Accidental Situations Coupled to Operating with Systems for Storage and Transportation of Ecological Dangerous Liquids	Mitropolskii Yurii O. (044) 225-3193	Institute of Mathematics, Kyiv	99 000						0	US:1
801	Development of High-Effective Immunobiological Preparations for the Treatment of Serious Infections, Especially That Developed in Consequence with Immunodeficiencies	Scherbinskaya Alla M. (044) 277-3711	Research Institute of Epidemiology & Infectious Diseases, Kyiv	198 000						0	US:1, EU:2
806	Ti-Supersurface. Investigation of Physico-Chemical Processes of the Nonstationary Interaction of Titanium Alloys with Active Environment and Development of New Technological Processes of Their Surface Strengthening	Pokhmurski Vasyl I. (0322) 65-4353, (0322) 63-1577 (f), vpokhmurs@ah.ipm.lviv.ua	Physico-Mechanical Institute, Lviv	180 000						0	US:1, EU:1
809	Modernization of the Wind-Driven Electric Plant	Makarenkov Anatolij (0562) 92-6762, (0562) 92-7357 (f)	"Yuzhny Mashinostroitelny Zavod" Production Association, Dnipropetrovsk	249 517						0	2

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810	Development of Technology for Reduction of External Magnetic Fields of Electric Equipment	Ruzov Volodymyr Yu. (0572) 99-1190, (0572) 99-2162 (f), kia@u-fri.kharkov.ua	Institute of Electrodynamics of the NASU 19, Industriynna str., Kharkiv 310106	184 834						0	US:1
811	Fast Oxide Scintillators of High Efficiency and Detectors Based on Them	Burchas S.F. (0572) 30-7025	Scientific and Technological Center for Radiation Instruments of the Concern "Institute for Single Crystals" Kharkiv	232 000						0	US:1
812	Scintillators of High Efficiency Based on Tungstates for Systems of Radiometric Control and Tomographic Instruments	Nagornaya Ludmyla L. (0572) 30-8325	Scientific and Technological Center for Radiation Instruments of the Concern "Institute for Single Crystals" Kharkiv	163 618						0	US:1, EU:2
813	Development of Methods of Estimation of State of Metal of Steampipelines at Power Plants and Forecasting of Resource of Their Reliable Exploitation	Romaniv Oleg M. (0322) 63-2466	Physico-Mechanical Institute, Lviv	96 000						0	US:1
816	Titanium and Zirconium Powders and Products of Diverse Porosity for Environment Protection and Other Applications	Anokhin Vyacheslav M. (0612) 35-3461, (0612) 33-4217 (f)	State Research and Design Titanium Institute 180, Lenin ave., Zaporizhzhja 330035	155 000						0	US:1
817	The Growth of High-Quality Acousto-Optical Paratellurite Single Crystals	Akimov Sergij (0562) 41-8816	"Elent A" Non-Traditional Technologies Science & Engineering Center, Dnipropetrovsk	69 000	34 500		34 500	29 981		69 000	US:5, EU:5
818	Development of a New Battery System for the Storage of Renewable Solar Energy	Tovstiak Kornel D. (0322) 72-6328	Institute for Problems of Material Sciences, Kyiv	150 000						0	US:1, EU:2
819	The Growth of High-Quality Acousto-Optical Sodium-Bismuth Molybdate Single Crystals	Akimov Sergij (0562) 41-8816	"Elent A" Non-Traditional Technologies Science & Engineering Center, Dnipropetrovsk	69 000						0	2

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

STCU PROJECT FUNDING TABLE  
 7th Governing Board Meeting, December 10

10.12.98 12:44

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (ECU)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
820	Elaboration of Systems for Automatic Radar Control of Quantity of Materials Being Saved for Environment in Exchange for Isotope Devices	Akalovskij Valerij G. (0562) 41-0486	"AVTOMET" Science-Production Company, Dnipropetrovsk	70 000						0	US:1
821	Development of the High Emission Cathode Materials Containing Scandium and Ceramic Cathode Heaters for Cathode-Ray Tubes (CRT)	Rakitin Semen P. (044) 446-9382, (044) 446-4396 (f)	"ORION" Research Institute 5, E. Potier str., Kyiv 252070	225 800						0	US:1
826	Development Multi-frequency Active and Passive Remote Techniques Sensing of Vegetation with the Use of Spectral and Polarization Analysis of Radar Echoes and Thermal Radiation Signals at Millimeter Wavelengths	Churilov Volodymyr P. (0572) 441-127	Institute of Radio Astronomy, Kharkiv	250 000						0	2
827	Development of Techniques for Sounding and Visualizing Wavelike Disturbances, with the Aim of Creating a World-wide Network of HF Ionospheric Monitoring	Galushko Volodymyr G. (0572) 44-8579	Institute of Radio Astronomy, Kharkiv	67 360	67 360					67 360	US:5
830	Investigation of Lithosphere-Atmosphere Coupling	Rapoport Yuri G. (044) 266-4457, (044) 266-4507 (f), rapoport@astron.univ.kiev.ua	Kyiv Taras Shevchenko State University 64, Volodymyrska str., Kyiv 252017	120 150						0	2
835	Adaptive System for Wireless Local-Area Networks	Prosvirnin Sergey L. (0572) 44-8596, (0572) 47-6506 (f), prosvirnin@rian.kharkov.ua	Institute of Radio Astronomy, Kharkiv	94 160						0	US:1
838	The Development of a Technique Burning Liquid Hydrocarbons Combustibles in Under- and Supersonic Cocurrent Streams	Tymoshenko Valery I. (0562) 47-2465	Institute of Technical Mechanics, Dnipropetrovsk	133 000						0	US:1

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7th Governing Board Meeting, December 10

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (ECU)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
841	Usage of Ultrawideband Signals for creating New Measurement Technologies and Facilities for Remote Sensing of Environment Parameters	Tretyakov Oleg A. (0572) 45-7162	Kharkiv State University, Kharkiv	168 300						0	US:1
844	Development and Introduction of the Technology of Vacuum Treatment Metal Structures with a Low and Middle Level of Radioactive Contamination, with the Purpose of Re-Using the Metal	Nazarenko Oleg K. (044) 265-4319 (f), oleg@beam.kiev.ua	E.O.Paton Electric Welding Institute 11, Bozhenko str., Kyiv 252650	245 405						0	US:1
845	Development of Physical Grounds for the Improvement of Properties of the Metastable Alloys Caused by Martensitic Transformations	Daniichenko Vitaliy (044) 444-3577	Institute for Metal Physics, Kyiv	96 540						0	2
846	Designing of Normalized Row of Highly Efficient, Patent-Defended Power Small-Sized Planetary Reducer of Deep Reducing Action	Vlasov Ivan P. (0562) 42-5745	"SURPED" Private Science & Production Enterprise, Dnipropetrovsk	231 255						0	US:1
849	Systems for Analysis of the Environment Ecological State, for Search of Pollution Sources and for Making Optimal Decisions under Extreme Situations	Serghienko Ivan V. (044) 266-2008, (044) 266-7418 (f), artem@d136.icyb.kiev.ua	Institute of Cybernetics of the NASU 40, Ac.Glushkov ave., Kyiv 252650	175 180						0	US:1
850	Development of the Prematurely Born Children Incubator Adapted to the Ukrainian Conditions	Tarasov Gennady V. (0562) 42-2987	"PIVDENNE" State Design Bureau, Dnipropetrovsk	160 220						0	US:1
856	Dosimetric Materials Based on Cr, Mo, W, V Oxocomplexes, Supported on Solid Inorganic Matrices	Borysenko Mykola B. (044) 265-3156, (044) 264-0446 (f), vit@surfchem.freemnet.kiev.ua	Institute of Surface Chemistry of the NASU 31, Nauky ave., Kyiv 252022	91 212						0	2

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858	Elaboration and Creation of Automatic Microwave Device for Measuring of Humidity and Impurity in Water Solutions of Food Semi-Finished Items	Oliyynyk Victor V. (044) 266-0551 (f), ovv@boy.rpd.univ.kiev.ua	Kyiv Taras Shevchenko State University, Kyiv	120 490						0	2
862	Design and Development of a Set of the Precise Measuring Converters for Weak Magnetic Fields Analysis	Korepanov Valery E. (0322) 63-9163, (0322) 63-8244 (f), vakor@isr.lviv.ua	Lviv Center of the Institute for Space Research, Lviv	190 000						0	2
863	The Elaboration and Research of Voltage Standard Based on Josephson Effect	Pavlenko Yuri P. (0572) 40-3007	"METROLOGY" State Scientific and Industrial Association, Kharkiv	202 780						0	2
864	Investigation of Laser and Ion-Beam Technologies for Functional Solid Material Layers Formation. "Laser Strike"	Kiyak Stepan G. (0322) 65-1939, (0322) 65-4420 (f), kalyniak%ippmm.lviv.ua@litech.lviv.ua	Institute of Applied Problems of Mechanics and Mathematics, Lviv	191 944						0	US:1
869	Development of Protective Thermostable Coatings for the Articles Which Work Under Conditions of High-Temperature Cycling and in Contact with a Heated Medium	Semenov Olexandr V. (0572) 30-7930, (0572) 32-0019 (f), semenov@isc.kharkov.ua	"Institute for Single Crystals" Scientific and Technological Concern 60, Lenin ave., Kharkiv 310001	140 580						0	2
870	Development of Laser Technology for Production of Novel High Performance Materials Applied in Thermoelectric Converters	Nishchenko Mykhailo M. (044) 444-9561	Institute of Metal Physics, Kyiv	92 500						0	US:2 EU:1
875	Numerical Computer Analysis of Neutron Flux Spatial Stability for Wwer-1000 Reactor Depending on the Adopted Law of Automatic Control System Operation	Yarenenko Yury A. (044) 265-3619	"Institute for Nuclear Researches" Scientific Center, Kyiv	193 413						0	2
880	Elaboration of the cryogenic Technologies of Bio-gas Components and Compression	Khazhmuradov Mansur A. (0572) 35-6846	"Kharkiv Institute of Physics and Technology" National Scientific Center, Kharkiv	61 094	54 985	6 109				61 094	US:5, CA:5

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881	Raising the Wear and Corrosion Resistance of Materials by Surface Hardening due to Irradiation with Pulsed and Quasistationary Nitrogen Plasma Streams	Tereshin Volodymyr I. (0572) 35-6305	"Kharkiv Institute of Physics and Technology" National Scientific Center, Kharkiv	76 122	38 061		38 061	33 075		76 122	US:5, EU:5
885	Decrease of the Railway wheel/rail Interaction Forces and Wear by Changing Rolling Stock Structure and Track Maintenance Conditions	Usikalov Victor F. (0562) 47-2461	Institute of Technical Mechanics, Dnipropetrovsk	210 000						0	US:1, EU:2
887	Elaboration of the Technology of Mass Production of the Large-Size Scintillation Lead Tungstate Single Crystals and Scintillation Elements on Their Base	Solskii Ivan M. (0322) 63-4038, (0322) 63-228 (f), granat@carat.lviv.ua	"CARAT" Scientific Research Company 202, Stryiska str., Lviv 290031	280 000						0	2
889	Developing Projects, a Technology Line, Producing and Commissioning Test Samples of the Electromagnetic Elements of the Accelerator-Storage Ring Complex	Karnaukhov Ivan M. (0572) 35-6747, (0572) 35-1738 (f), kfti@rocket.kharkov.ua	"Kharkiv Institute for Physics and Technology" National Scientific Center, Kharkiv	300 000						0	US:1
900	Development of a Copier Process for Image Relief Production Accessible for Tactile Perception by Blind People	Novikov Vsevolod V. (0572) 44-1100 (f), root@rocket.kharkov.ua	"Hartron" Joint Stock Company 1, Ac. Proscura str., Kharkiv 310001	115 060						0	US:1
901	Development and Construction of the Control System for Self-Propelled and Trailer Sprayers for Agricultural Production	Eisenberg Yakiv Ye. (0572) 43-3131, (0572) 43-1677 (f), root@rocket.kharkov.ua	"Hartron" Joint Stock Company 1, Ac. Proscura str., Kharkiv 310001	120 142						0	US:1
904	Laying Out of the Draft Design Auxiliary Wind Systems for Seagoing Ships	Kruchkov Yuri S. (0512) 34-0020	"BOYAR" Center for Nontraditional Energy Sources, Mykolaiv	127 025						0	2
909	Research and Development of Principal and Technology of Creation Specialized Stands of Assembly, Regulation and Tests of Precise Meter of the Cinematic Parameters and the Control System of the Spacecraft	Klimenko Olexander M. (044) 441-9802	"RITM" Interbranch Research Institute of Mechanics' Problems at the Ukrainian National Technical University "Kyiv Polytechnical Institute", Kyiv	95 480						0	US:1

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913	Development and Research of the Technological Possibilities of the Small-scale Plant for Vegetable Material Intensive Extraction	Kolyadin Victor F. (0472) 43-7611	"EVR" Research and Commercial Firm, Cherkassy	57 530						0	US:1
921	Especially Sensitive Scintillation Detectors for Remote Monitoring of Radiation Situation	Tarasov Volodymyr O. (0572) 32-0382, (0572) 32-0207 (f), postmaster@isc.kharkov.ua	"Institute for Single Crystals" Scientific & Technological Concern, Scientific-Research Department of the Alkali Halide Crystals with Experimental Manufacture 60, Lenin ave., Kharkiv 310001	247 000	200 000					200 000	US:4, 5
922	Development of Methods for Control of High-Energy Particle Beam and Gamma-Radiation Parameters with the Aid of Monocrystals	Shul'ga Mykola F. (0572) 35-3420, (0572) 35-1738 (f), kfti@rocket.kharkov.ua	"Kharkiv Institute for Physics and Technology" National Scientific Center	112 400						0	US:1
925	Elaboration and Investigation of Passive Methods of Remote Detection and Identification of Nuclear Fission Materials	Sanin Vasyi'.M. (0572) 40-4206, (0572) 35-3564 (f), kfti@rocket.kharkov.ua	"Kharkiv Institute for Physics and Technology" National Scientific Center, Kharkiv	147 257						0	2
929	KDP Crystals with Superhigh Laser Damage Threshold for Megajoule Lasers	Salo Vitaly I. (0572) 308-307	Department of Optical and Constructional Crystals of the Science and Technical Concern "Institute for Single Crystals", Kharkiv	282 683						0	US:1
930	Development of the Technology for Growing Sapphire Crystals 350x200x35mm in Size in the Protective Gas Medium	Dan'ko O.Ya. (0572) 30-7978	Department of Optical and Constructional Crystals of the Science and Technical Concern "Institute for Single Crystals", Kharkiv	155 240			51 740	44 962		51 740	EU:4, 5 US:2
931	Development of Multifilamentary Superconductors with a High Current-Carrying Capacity and Creation of Economical Cryomagnetic Separators Based on Them to Remove Sulphur from Coal to Dress Feebly Magnetic Ores	Chernyi Oleg V. (0572) 35-6528, (0572) 35-1738 (f), nso@kipt.kharkov.ua	"Kharkiv Institute for Physics and Technology" National Scientific Center, Kharkiv	240 000			60 000	52 140		60 000	US:1 EU:4, 5

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STCU PROJECT FUNDING TABLE  
7th Governing Board Meeting, December 1

10.12.00 12:44

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (ECU)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
932	Development of New Beryllium Materials for Fusion Reactions, Sources of Synchrotron Radiation and Optical Systems	Papirov Igor I. (0572) 35-6027	"Kharkiv Institute for Physics and Technology" National Scientific Center, Kharkiv	215 930						0	US:1
935	Elaboration of Optic Electronic Method of Agricultural Animals Sperm	Strelkov Olexander I. (0572) 43-0385, (0572) 67-3625 (f)	Kharkiv Military University, Kharkiv	73 627						0	US:1
936	Elaboration of Optic Electronic Method of Human Sperm Quality Determination	Strelkov Olexander I. (0572) 43-0385, (0572) 67-3625 (f)	Kharkiv Military University, Kharkiv	74 720						0	US:1, EU:2
937	Optical-Electronic Method of Express Diagnostics of Functional and Physiological State of Human Organism	Strelkov Olexander I. (0572) 43-0385	Kharkiv Military University, Kharkiv	72 450						0	US:1, EU:2
938	Optical-Electronic Methods for Measurement of Sportsman Motion Parameters Over a Distance	Strelkov Olexander I. (0572) 43-0385	Kharkiv Military University, Kharkiv	28 940						0	US:1
941	The Pulse Action Sterilizer Based on Magnetoplasmatic Compressor	Shostko Svetoslav M. (0572) 40-4141	Kharkiv Military University, Kharkiv	90 294						0	US:1
944	Investigation of Magnetic Impurities in Multi-Layer Structures, Films, and Crystals	Dugaev Vitalii K. (03722) 2-0050, (03722) 2-5155 (f), dugaev@imspas.chernivtsy.ua	Chernivtsy Department of the Institute for Problems of Material Science of the NASU 51, Wilde str., Chernivtsy, 274001	267 505						0	2
950	Development of Methods and Instruments for the Quantification of Oil Pollution of the Sea Surface	Vavriv Dmytro M. (0572) 44-8718, (0572) 47-6506 (f), dmitro@vavriv.kharkov.ua	Institute of Radio Astronomy, Kharkiv	248 000						0	US:1, EU:2
951	Development Elaboration of Technology of Active Neutralizing of Dangerous Impurities in Ejection Produced by Combustion in the Power Plants on the Base of Use of DPIE (Discrete-Pulse Injection of Energy) - Theory and of Electrogasdynamical (EGD) Flows	Kasianov Volodymyr O. (044) 488-5333, (044) 488-3927 (f)	Kyiv International University of Civil Aviation 1, Komarov ave., Kyiv 252058	200 000						0	US:1

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STCU PROJECT FUNDING TABLE  
7th Governing Board Meeting, December 10

10.12.98 12:44

#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (ECU)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
952	Experimental and Theoretical Research on the Attendant and Additional Microimpurity Influence on the Structure and Properties of Metals	Starodubov Yakov D. (0572) 40-4703	"Kharkiv Institute for Physics and Technology" National Scientific Center, Kharkiv	149 988						0	US:1, EU:2
954	The Development and Application of the Functional Bed with Infrared Radiator and Aerotherapy Abacterial System for Treatment of Burn-Injured People	Kozynets Georgiy P. (044) 213-1468	"COMPUMED" Scientific-Practical Enterprise, Kyiv	133 490			133 490	116 004		133 490	EU:5 US:2
958	Elaboration and Making of the Radiometer Model for Tritium Concentration Measurements in the NPP's Discharges to the Water Environment	Kartashov Victor M. (0572) 35-2929	Kharkiv State University, Kharkiv	123 240						0	2
963	Development of Fast Pyrolysis Technology for Liquid Fuel Production from Agricultural Wastes of Ukraine	Geletuha Georgiy G.(044) 441-7356	Institute of Engineering Thermophysics, Kyiv	75 000						0	US:1
966	Wear-Resistant Polymer Composites	Anisimov Volodymyr M. (0562) 41-7410	"Dnipropetrovsk Machinebuilding Plant" Public Joint Stock Company, Dnipropetrovsk	181 250						0	US:1
985	The Development of Technology and Equipment for Manufacturing of Billets with Composite Wear-Resistant Coating by Means of Electroslag Cladding with Molten Metal and Noncompact Consumables	Nosatov V. (044) 261-5131	Paton Electric Welding Institute, Kyiv	171 050						0	US:1
1000	Assessment of Probability of Cracking in NPP Reactor Vessel Caused by Cooling of WWER-1000 Reactor Vessel	Trofimova Nina A. (044) 446-0186	The State Scientific and Engineering Center of Control Systems and Emergency, Kyiv	109 550						0	2
1003	Scientific Foundations of the Technology for Combined Process of Low-Grade Gasification and Iron Reduction to be Performed Using Cyclone-Vortex Reactor-Gasifiers	Tovarovsky Iosif G. (0562) 47-4548	Institute of Technical Mechanics, Dnipropetrovsk	189 960						0	US:1

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1006	Hardware and Software Complex on the Base of Laser Scanning Microscope	Melnichuk Igor O. (0622) 35-4670	Donetsk State University, Donetsk	113 916						0	US:1
1011	Optic Correlation Measuring Microscope	Angelsky Oleg V. (03722) 44-4730 (f), oleg@optical.chernovtsy.ua	Chernivtsy State University 2, Kotsubinsky str., Chernivtsy 274012	150 000						0	US:1
1015	Investigating the Explosion Impact on Metals when Adapting the Explosive Technologies to the Transport and Energy Infrastructures	Petushkov Volodymyr G. (044) 227-6507, (044) 220-1470 (f)	E.O.Paton Electric Welding Institute of the NASU 11, Bozhenko str., Kyiv 252650	164 000						0	US:1
1021	Noise Analyzing System for Diagnostics of the Reactor Equipment State at Nuclear Power Plant	Klimenko Igor A. (044) 446-0186, (044) 290-9840 (f), igo@oubaes.freinet.kiev.ua	IVL Equipment & Engineering Enterprise p/b 175/3, Kyiv, 252039	173 899						0	EU:1
1029	The Development of Processing Methods of the Control for Structure and Properties of Cermets Noble Metals-Free Thick Films with the Aim of their Application as Resistive and Conductive Elements in Domestic Instruments	Rud' Borys M. (044) 444-2371	Institute for Problems of Material Science, Kyiv	167 720						0	US:1
1031	A New Source of Polarized, Monochromatic, Tunable X-Ray and Soft Gamma-Ray Beams for Calibration of Space Telescopes and Other Optics and Detectors	Shchagin Olexander V. (0572) 35-6884	Kharkiv Institute of Physics and Technology 1, Academichna str., Kharkiv 310108	86 040			86 040	74 769		86 040	US:1, EU:5
1034	Inhomogenous Structures: Optoacoustics of Stressed State	Burbelo Roman M. (044) 252-5010, (044) 266-2395 (f), rburbelo@genphys.ups.kiev.ua	Kyiv Taras Shevchenko State University 64, Volodymyrska str., Kyiv 252017	132 000						0	US:1
1040	Development of High-Strength Power Materials Based on Refractory Compounds by Using High-Pressure Technique	Timofeeva I. (044) 444-2371, (044) 444-0492 (f), post@ipms.kiev.ua	Institute for Problem of Material Science, Kyiv	178 023						0	2

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1047	Control, Identification and Stabilization. Methods, Algorithms and Applications	Savchenko Olexii Ya. (0622) 55-3095, (0622) 55-22-65 (f), math@iamm.ac.donetsk.ua	Institute for Applied Mathematics and Mechanics of the NASU 74, Roza Luxemburg str., Donetsk 340114	186 333						0	US:1
1050	Development of the Electro-Pulse Technological System for Water Purification and Desinfection	Sncherba Anatoly A. (044) 441-2464	Institute of Electrodynamics, Kyiv	167 100						0	US:1 EU:2
1054	The Development of the Vacuum-Plasma Methods of Obtaining of Thin-Film Materials of High-Temperature Solid Oxide Fuel Cells for Electrochemical Transformers of Energy	Sagalovych Vladyslav V. (0572) 35-2311, vvs@iht.kharkov.ua	Institute for Applied Physics 58, Petropavlivska str., Sumy 244030	300 000						0	US:1
1055	The Numeric Simulation of the Process of the Diffusive Decomposition for the Prognosis of the High-Temperature Stability of Multicomponent Materials	Sagalovych Vladyslav V. (0572) 35-2311, ws@iht.kharkov.ua	Institute for Applied Physics 58, Petropavlivska str., Sumy 244030	200 000						0	US:1
1056	Elaboration and Application of G-Band Solid State Microwave Components to the High Resolution Electron Spin Resonance (ESR) Systems and Design of Experimental ESR Spectrometer for the Investigations of Semiconductor Materials	Venger Eugene F. (044) 265-9652, (044) 265-1957 (f), katia@physic.kiev.ua	Institute of Semiconductor Physics, Special Technology Department, Kyiv	370 225						0	EU:2 US:1
1059	A New Technology of Multilink Robot Manipulator Control	Koshlyakov Volodymyr M. (044) 269-3469	Ukrainian Section of Navigation & Motion Control Academy, Kyiv	105 800						0	US:1 EU:2
1066	The Development and Production of New Filter Materials and Apparatus for Cleaning Industrial Gaseous Waste	Katrus Oleg A. (044) 444-2155	Institute for Problems of Material Science, Kyiv	188 364						0	US:1

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STCU PROJECT FUNDING TABLE  
7th Governing Board Meeting, December 1

10.12.98 12:44

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1069	Elaboration of Water Purification Technology Using High Pressure Glow Discharge Ozone Generators	Goncharuk Vladyslav V. (044) 444-0196	Institute of Plasma Electronics and New Methods of Acceleration at the National Scientific Center "Kharkiv Institute of Physics and Technology", Kharkiv	230 000			100 000	86 901		100 000	US:1, EU:4, 5
1073	Liquid Plasma Polish of Medical and Stomatological Instrument Set	Prydkin Kostiantyn K. (0572) 45-0039, (0572) 43-3140 (f)	North-East Scientific Center of the NASU 8, Frunze str., Kharkiv 310002	199 970						0	US:1
1081	Development of Design and Technique of Making of Power High-Temperature Thyristors and Schottky Diodes on Gallium Arsenide Basis	Maronchuk Igor E. (0322) 51-3552	"AVT-Ukraine" Small Business Enterprise-Firm, Lviv	250 000						0	US:1
1092	Development of New Principles of Inner Camera Processes Arrangement in Burners for Realization of High Speed Gas Flame Spraying, Creation and Experiment Investigation of Apparatuses Based on the Indicated Principles	Kadyrov Valery H. (044) 444-0590	Institute for Problems of Material Science, Kyiv	103 840	93 456	10 384				103 840	US:5 CA:5
1097	Development of Methods for Synthesis and Upgrading Color Stones	Komov Igor (044) 444-0270	State Scientific Center of Environmental Radiochemistry, Kyiv	209 830						0	2
1101	Ecological Rehabilitation (Conversion) of Military Marine Training Zones and Bases Aquatoria for the Purposes of Preservation of the World Ocean and its Peaceful Use	Ivanov Valeriy M. (0692) 52-5945	Institute of Biology of the Southern Seas, Sevastopol	180 000						0	2
1103	The New Methodological Approaches in Ecological Monitoring and Definition of Sources of the Pollution on Coastal Ecosystems	Shalovenkov Mykola N. (0692) 52-0785	Institute of Biology of the Southern Seas, Sevastopol	193 248						0	2
1109	The Development of System for Early Cytological Diagnosing of Cervical Cancer	Kyrychenko Volodymyr (044) 216-6255	"Kyiv Polytechnic Institute" National Technology University of Ukraine, Kyiv	105 000						0	2

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STCU PROJECT FUNDING TABLE  
 th Governing Board Meeting , December 10

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#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (ECU)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
1111	Development of Maxilla Sapphire Implants	Lytvynov Leonid A. (0572) 30-7047	"Optical and Construction Crystals" Scientific Research Department of Scientific Technological Concern "Institute for Single Crystals", Kharkiv	70 000						0	US:1 EU:2
1115	Creating Fundamentals of Designing and Development of Electric Heating Panel Manufacturing Process Using Polymer Composite Materials	Griffen Leonid O. (044) 444-1192, (044) 444-2401 (f)	Institute for Problem of Material Science, Kyiv	192 080						0	US:1
1118	Development of Technologies and Construction of Equipment for Multicomponent Ni-, Ti-, And Zr-Based Alloys Melting in Electron-Beam Installations with Electromagnetic Stirring of Melts in Skull Crucibles and Investigation of Influence of Melting Condition	Ladokhin Sergiy V. (044) 444-2350	Physico-Technological Institute of Metals and Alloys, Kyiv	269 502						0	US:1
1120	The Development of Highly Effective Technology for Treatment of Liquid Foodstuff Including Milk, Juices, Wines, Water, Biopreparations and Other Liquids to Increase Their Shelf-Life by Using the Combination of High-Voltage Pulses	Boyko Mykola I. (0572) 47-0135, (0572) 40-0601 (f)	"Molniya" Research and Design Institute at the Kharkiv State Polytechnical University, Kharkiv	148 370			133 533	116 041		133 533	US:1 EU:4, 5
1122	Ecological Rehabilitation of the Viscose Technology	Stavtsov Arkady K. (044) 551-5791	Ukrainian Research Institute of Artificial Fibers and Pilot Plant, Kyiv	227 840						0	US:1
1133	Development of Cavitation-Pulsation Plant for Suspension Dispersion	Man'ko Ivan K. (0562) 47-2472, (0572) 47-3413 (f), itm@online.alkar.dp.ua	Institute of Technical Mechanics, Dnipropetrovsk	180 000						0	US:1
1146	The Influence of Active Atomic Gas Particles on Physical Properties of Aerospace Apparatus Surfaces	Gorban Olexander N. (0612) 64-4436	Zaporozhye State University 66, Zhukovsky str., Zaporizhzhya 330063	90 190						0	US:1

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1147	Investigation of the Formation Conditions of Physical Properties of Magnetically Hard and Magnetically Soft Materials Based on Transition and Rare-Earth Elements	Brekharya Grigory P. (0612) 64-1931	Zaporozhye State University 66, Zhukovsky str., Zaporizhzhya 330063	120 000						0	US:1
1151	An Elaboration of Computer Technological Unit for Depositing Images on Metallic Surfaces	Hrytsyk Volodymyr (0322) 65-4825, (0322) 63-3144 (f), dndiij@ah.ipm.lviv.ua	State Science and Research Institute of Information Infrastructure of the National Agency on Informatization by the President of Ukraine, Lviv	77 922						0	US:1, EU:2
1157	Development of the Method of Pressure Welding of Titanium Alloys and Titanium with Other Metals Which Provides the Joint Strength Equal to That of the Base Metal Development of the Technology of Fabrication of Welded Structures of Dissimilar Metals	Kireev Leonid S. (044) 227-4783	Paton Electric Welding Institute, Kyiv	91 405						0	US:1, EU:1
1158	Development of Technologies for Conditioning Natural and Industrial Water	Pospelov A.P. (0572) 40-0395, kamarchuk@ilt.kharko.v.ua	Kharkiv State Polytechnical University, Kharkiv	174 440						0	US:1
1160	The Investigation of Level of Environmental Radioactive Contamination in the Sites of Production of the Uranium Concentrate and Elaboration of Recommendations on Affected Territories Rehabilitation	Soroka Yuri (05652) 289-02	Ukrainian Research and Design Institute for Industrial Technology, Zhovti Vody	87 300			87 300	75 864		87 300	EU:5, US:2
1170	The Usage of Photoinduced Processes in Stomatology	Osadchy Anatoly (03122) 63-967	Special Design Office of Analytical Technique Means, Uzhgorod	160 000						0	US:1, EU:2
1173	High Performance VLSI and PCB Layout Design	Bazylevych Roman P. (0322) 39-8578, (0322) 74-4300 (f), rbaz@polynet.lviv.ua	"Lviv Polytechnic" State University, Lviv	247 200						0	US:1, EU:2

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1177	Developing of the Method of Producing the Shock-Resistant Welded Joints of Aluminum Alloys with Steels for Widely Applied Items	Ryabov Volodymyr R. (044) 220-1358	Paton Electric Welding Institute, Kyiv	80 000						0	US:1
1179	The Elaboration of Unified Technology of Obtaining Filled Polymeric Composites with Optimum Construction of Interfacial Layers	Voronov Stanislav A. (0322) 74-4300, (0322) 74-4143 (f), svoronov@polynet.lviv.ua	"Lviv Polytechnic" State University, Lviv	299 770						0	US:1, EU:2
1190	Automatic Goniometer-Spectrometer GS-0.05L on the Base of Laser Gyroscope	Golik Marat (044) 291-4880	"ARSENAL" Central Design Office, Kyiv	189 000						0	US:1, EU:2
1193	Elaboration of Principal New Methods of Biosensor Diagnostics and Investigation of Flow Efficiency of Biochemical Reactions at Complex Influence of Latest Irradiation and Chaotic Ultra-Sound Fields	Starodub Mykola F. (044) 293-9589	Institute of Biochemistry, Kyiv	203 300						0	US:1, EU:2
1218	Hardware-Software Complex for X-Ray Structure Investigation of the Melts and Solids Entirely in Order to Provide Metallurgy Demands	Slukhovskiy Oleg I. (044) 444-2310, (044) 444-2561 (f) ilin@ipm.kiev.ua	Institute for Metal Physics of the NASU 36, Vernadsky ave., Kyiv 252680	305 000						0	2
1229	Basic Principles of Coherent Quantum Processes of Strong Laser Field Interaction with a Matter	Zagorodny Anatoly (044) 266-5362	Institute for Theoretical Physics, Kyiv	180 000						0	US:1, EU:2
1230	Development of Production Processes for Obtaining the High Energy Permanent Magnets of New Generation on the Base of Ferrum-Neodim-Boron Alloy	Manorik Petro A. (044) 265-6664	Institute of Physical Chemistry, Kyiv	150 000			135 000	117 316		135 000	US:1, EU:4, 5
1243	Superfast Spectrum Analyzer	Moskaliuk Volodymyr A. (044) 441-1664	"Kyiv Polytechnic Institute" National Technical University of Ukraine, Kyiv	175 130						0	2
1245	Development of the System for Control and Safety of Skilifts	Zanevsky Igor (0322) 34-5690	Carpathian Regional Scientific-Analytical Center of Recreation and Tourism "Nashi Hory"	85 800						0	2

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1248	Basis for Cost-Effective Technology for Production of Automobile Parts Made of Titanium Alloys by Powder Metallurgy Methods	Anokhin Vyacheslav M. (0612) 35-3461, (0612) 33-4217 (f)	State Research and Design Titanium Institute 180, Lenin ave., Zaporizhzhja 330035	185 000	153 000	17 000				170 000	US:4, 5 CA:5
1255	Nonlinear Wave Phenomena in Structural Geophysical Media as a Means of Diagnostics	Belinsky I.V. (044) 224-1460	Institute of Geophysics, Kyiv	69 800			69 800	60 657		69 800	EU:5, US:2
1260	Development of Technologies of Mechanized Welding and Allied Processes, Quality Control and Diagnostics, and Specialized Equipment for Repair and Assembly of Objects under Space Conditions	Paton Borys E. (044) 227-3183, (044) 268-0486 (f)	Paton Electric Welding Institute, Kyiv	444 070						0	2
1263	Elaboration of Physic-Chemical Piezorezonance Sensors Specific for Unsymmetric Dimethylhydrazine, Signaling Systems and Devices for Revealing Its Leak for the Equipment of Transport Means of Conveyance	Shulzhenko Olexander V. (044) 265-6585	Institute of Physical Chemistry, Kyiv	133 108						0	US:1, EU:2
1264	High Current Electric Discharge Technology for the Processing of Worn-out Tires Containing Metal Cord	Bedyukh O. (044) 266-0551	"Microwave Technologies" Small Enterprise, Kyiv	204 860						0	US:1, EU:2
1278	Concept and Principles of Organization of Radio-Ecological Monitoring of Ukraine Ecosystems Including Control over Illegal Displacements of Radioactive Materials	Gearger Eugene (044) 220-5313	Institute of Radioecology,	226 445						0	2
1287	Development of the Technology for Manufacturing High-Temperature Thermocouples Based on Refractory Metal Alloys	Bolshakov Michael V. (0322) 39-8518, (0322) 74-4300 (f), mbolsh@polynet.lviv.ua	"Lviv Polytechnic" State University, Lviv	175 000						0	US:1
1296	Semiconductor Detectors for Separate Determination of Components of the Nuclear Irradiation Mixed Fields	Litovchenko Petro G. (044) 265-3744, plitov@ktnr.kiev.ua	"Institute for Nuclear Research" Scientific Center, Kyiv	220 000						0	US:1

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1302	The Research of Radiation Effect upon the Operating Characteristics of Computer Network Elements and Development of Sensor-Based and Optical Fibre Systems of Monitoring of Radiation Hazard Installations in Ukraine	Osinsky Volodymyr I. (044) 435-5182, (044) 435-3289 (f)	"Vector" The State Interbranch Scientific-Research Institute of Priority Scientific, Technical and Economic Projects 10-a Ryleev str., Kyiv 254073	314 790						0	US:1
1312	The Development of Sims-Based Methods of Diagnostic of Non-Biogen Elements Toxic Components in Biologically Significant Objects	Koval Adolf G. (0572) 12-3046	Problem Research Laboratory of Ion Processes at Kharkiv State University, Kharkiv	118 000						0	US:1
1314	Technique for Determination of the Fuel Burn-Up Depth in the Nuclear Reactor	Nemashkalo Borys A. (0572) 35-2482	"Kharkiv Institute for Physics and Technology" National Scientific Center, Kyiv	89 750						0	US:1, EU:2
1315	The Station Development of X-Ray Element Analysis of Various Materials Using the Synchrotron Radiation Source KITP	Konovalov Oleg G. (0572) 35-6371	"Kharkiv Institute of Physics and Technology" National Scientific Center, Kharkiv	89 650						0	2
1334	Development of the Approaches to Definition of Inventory and Criticality of Fissile Material Inside Unit 4 of the Chernobyl Nuclear Power Plant	Gorbachev Borys I. (04493) 515-98	"SHELTER" Interdisciplinary Scientific and Technical Center, Chernobyl	110 320						0	US:1
1342	Development of High Efficient Barrier Layers for Use in Continuous Sic Fibers/Ti Alloys and Aluminide Composites	Silenko Petro (044) 444-0491	Institute for Problems of Material Science, Kyiv	115 766						0	US:1
1343	Special Composite Membranes with Additional Functions	Bryk Mykhailo T. (044) 444-7521	Ecotem Research and Production, Kyiv	184 250						0	US:1 EU:2
1346	Development of the Complex of Means for Small Mechanization of Auxiliary Operations in Agricultural Manufacture on the Basis of Energy-Saving and Ecologically Clean Technology	Zakrzhevsky Olexander Ye. (044) 441-7725, (044) 243-7335 (f), alzakr.kiev.ua	"Topaz-Inform" Research and Production Enterprize 13, Chokolovsky Blvd., Kyiv 252180	149 950						0	US:1

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1354	Development of Software and Hardware Facilities for Noninvasive Biomagnetic Examination of Human Organs and Tissues. Introduction to Clinical Medicine	Pavlyuk Vadim A. (0572) 30-8570	Special Research and Development Bureau for Cryogenic Technologies of Institute for Low Temperature Physics and Engineering, Kharkiv	250 000						0	2
1356	The Interference Coats for Optical Elements and Film Forming Materials on the Base of the Carbon and the Rare-Earth Metals Compounds	Sobol Valery P. (044) 291-4780, (044) 293-1509 (f)	"ARSENAL" Central Design Office, Kyiv	248 900	200 000					200 000	US:4, 5
1360	Development of System for Sapphire Single Crystal Growth to 500 Mm in Diameter	Gunko Olexander A. (0642) 54-1349	"DONETS" Central Design Mechanical Engineering Office, Lugansk	200 000						0	US:1
1377	The Development of Physico-Technological Principles of Joining Heterophase Materials for Components of Powerful Energy Supplies for Mobile Units	Perevertailo Vasyi M. (044) 435-0311, (044) 435-3291 (f), frd@ismanu.kiev.ua	Institute for Superhard Materials of the NASU 2, Avtozavodska str., Kyiv 254074	198 000						0	2
1378	The Framing of the Theory for the Development of New Pneumatic Transport System	Voloshin Olexiy I. (0562) 46-4235	"ECOLOGIA-GEOS" Scientific and Engineering Center of Ukrainian Department of "international Center for Scientific Culture - World Laboratory", Dnipropetrovsk.	180 050						0	US:1
1383	Development of the Cryo-Hydride High-Pressure Hydrogen Compressor	Shmal'ko Yuri F. (0572) 95-9660	Institute of Mechanical Engineering Problems, Kharkiv	105 697						0	US:1, EU:2
1390	New Semiconductor Converters for Autonomous Supply of the Stationary and Moving Objects	Chekhet E. (044) 446-9266	Institute of Electrodynamics, Kyiv	189 530	161 500	8 500				170 000	US:4, 5, CA:5, EU:2
1392	Development of Wasteless Technology for Manufacturing High Quality Nickel-Based Superalloys to be Used for Casting of Parts for New Generation Gas Turbine Engines	Kochegura Nataliya M. (044) 444-1212, (044) 444-1210 (f)	Physico-Technological Institute of Metals and Alloys, Kyiv	105 180						0	US:1

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STCU PROJECT FUNDING TABLE  
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1395	Formation of Multicomponent Oxides for Optoelectronics and Oxide Interfaces Characterization and Engineering	Berchenko Mykola M. (0322) 39-8627, (0322) 74-4300 (f), nberchen@polynet.lviv.ua	"Lviv Polytechnic" State University, Lviv	55 200						0	US:1
1402	Development of High Resolution Model for the "SHELTER" Encasement Dismantling with the Remote Controller Apparatus	Ivanov Olexander I (044-93) 5-1308	"SHELTER" Interdisciplinary Scientific and Technical Center, Chornobyl	130 120						0	2
1404	Development and Implementation to the Practice of Health Protection of the Units with Intelligent Nodes and Mechanisms, Used for facilitation of Spinal Invalids Moving	Osadchy Eugene O. (044) 266-2558	Institute of Cybernetics, Kyiv	142 840						0	2
1405	Constructing of Individual Training Equipment for Improving of Support Motive Reaction and Muscle Activity of a Staff of the Emergency-Rescue Services and Power Nuclear Stations	Osadchy Eugene O. (044) 266-2559	Institute of Cybernetics, Kyiv	40 026						0	2
1410	Investigation and Development of Ecologically Effective Technologies for Drying and Sterilization of Medical Vegetable Paw Materials Using Microwave (MW) Power	Yefimov Borys P. (0572) 44-8323, (0572) 44-1105 (f), ire@ire.kharkov.ua	Institute for Radiophysics and Electronics, Kharkiv	166 340						0	2
1414	Development of Electron-Optical Systems of Technological Equipment	Majstrenko Yuriy (0572) 44-8516	Institute of Radiophysics and Electronics, Kharkiv	105 809						0	2
1419	The Elaboration of Preparations for Express Diagnosis and New Interferon Inducer for Urgent Prophylactics and Treatment of Particularly Dangerous Infections Diseases	Vynograd Ivan A. (0322) 76-3143, (0322) 76-3067 (f)	Lviv Research Institute of Epidemiology and Hygiene, Lviv	217 000						0	US:1, EU:2
1421	Creation of Advanced Materials for Superior Quality Resistors for Microelectronics	Shulishova Olga I. (044) 444-3228	Institute for Problems of Material Sciences	149 700						0	US:1

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1422	Investigation of the Physical Properties of New Heterogeneous Systems "liquid Crystal - Aerosil" for Advanced Optical Applications	Pinkevich Igor P. (044) 266-4487	Kyiv Taras Shevchenko University, Kyiv	73 500						0	US:1
1438	Radiation Resistant Magnetic Measuring Instrumentation	Bolshakova Inessa A. (0322) 72-1632, (0322) 74-4300 (f), mms@inessa.lviv.ua	Lvivska Polytechnica State University 12, St. Bandera str., Lviv, 290646	150 000	142 500	7 500				150 000	US:5, CA:5, EU:2
1447	New Micellar Techniques of Obtaining of Magnetic, Electroconductive and Antiradiation Polymer Colloidal Systems and Control of Their Properties	Zaichenko Olexander S. (0322) 39 8780	"Lvivska Plytechnica" State University, Lviv	194 770						0	US:3, 4
1455	Development of New Materials and Manufacturing Microwave Devices on its Base for Application in Mobile, Cellular and Satellite Communications	Prokhorov Valery G. (044) 444-1031	Institute of Metal Physics, Kyiv	126 300	119 985	6 315				126 300	US:5, CA:5, EU:2
1458	Development, Research and Practical Application Ensuring of Submillimeter Equipment Complex for Thermonuclear Plasma Diagnostics and Semiconductors	Svich V.A. (0572) 43-6196	Kharkiv State University, Kharkiv	248 988						0	US:1
1464	Development of Ceramic Filters for Liquid and Gaseous Media	Gevorkyan Edvin S. (0572) 23-5120, (0572) 72-0439 (f), edwin@lotus.kpi.kharkov.ua	"Cermet" Ltd, Kharkiv	125 589						0	2
1469	Developing of Electron Beam Technology of Fine Grained Superalloys Obtaining for Airspace Equipment	Trigub Mykola P. (044) 264-9543	Paton Electric Welding Institute, Kyiv	300 000						0	US:1, EU:2

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SICU PROJECT FUNDING TABLE  
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1471	The Creation of Automatic Ultrasound Checking Facilities for Testing Welds and Base Metal of the First Reactor Core Units of Nuclear Power Plants by Help of Up-to-Date Test Techniques Under the Scientific-Technical Supervision of Them in Operation	Nayda Volodymyr L. (044) 227-1509	"Energoatom Control-Service" (The Branchfirm of the Government-Owned Enterprise "Energoatom Control-Service"), Kyiv	150 000						0	EU:1, US:2
1475	Development of Dosimetry and Spectrometric System to Control the Alpha-Activity of the Air in the Course of Burning of Radiation-Polluted Biomass	Brodyn Mykhailo S. (044) 265-5468	Institute of Physics, Kyiv	186 000			167 400	145 472		167 400	US:1, EU:4, 5
1478	Development of Advanced Regenerable Manganese-Based Sorbents for High-Temperature Cleaning of Dry Coal Gas	Plyuto Yuri V. (044) 265-6765, (044) 264-0446 (f), user@surfchem.freenet.kiev.ua	Institute of Surface Chemistry, Kyiv	154 130						0	US:1, EU:2
1479	Elaboration of Scientific Basis and Development of Technology of the Humidity Film Sensors, Fabrication, Organization of Their Production	Ptushinskii Yuriy G. (044) 265-7980	Institute of Physics, Kyiv	174 550						0	US:1
1480	Study of Superfluidity of Nuclear Matter, Instability Arising at Nuclear Collision and Slow Nuclear Burning	Akhiezer Olexander I. (0572) 47-8274	"Kharkiv Institute of Physics and Technology" National Scientific Center, Kharkiv	106 100						0	US:1
1481	Elaboration of Integral and Fiber-Optical Spectrophotometric Sensors for Diagnostics and Control of the Efficiency of Treatment of Human	Sharkany Josip P. (03122) 323-18, (03122) 323-39 (f), shark@iss2.univ.uzhgorod.ua	Uzhgorod State University, Uzhgorod	200 000						0	2
1482	Development of Digitally-Controlled High Speed Generating Means on the Basis of Adjustable Integrated Oscillatory Circuits	Ivaschuk Anatoliy V. (044) 478-0681, (044) 477-6208 (f)	The State Scientific-Technical Enterprise "The Base Center GaAs Devices Technology "SATURN-GALAR" 2b, 50 Years October ave., Kyiv 252680	350 000						0	US:1

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1483	Database of Research and Technical Resources, Conversion and Applied Developments of Scientists in Western Ukrainian Region	Kozlovskii Mykhailo P. (0322) 76-7786	Research Assistance Foundation, Lviv	266 595						0	2
1488	Investigations of Structure Formation Processes of the Ceramics on the Base of Nonmetallic Nitrides and Studying of their Dielectric Properties Nature in Connection with the Solving of the Problem of Superchips Substrate Creation	Glinchuk M. (044) 444-2471	Institute for Problems of Material Science, Kyiv	195 000						0	US:1, EU:2
1490	Synthesis and Investigation of Solid Solution SiC-C Nature and Studying of its Ceramics Formation	Gnesin G. (044) 444-2471	Institute for Problems of Material Science, Kyiv	195 000						0	2
1492	Experimental Model of New Generation Boat Overboard Four-Cycle Engine Development and Manufacture	Us Stanislav (0562) 92-1653	"PIVDENNE" State Design Office ("YUZHNOYE"), Dnipropetrovsk	97 100						0	US:1
1500	Search of New Quantum Phenomena in Liquid and Solid Helium at Ultralow Temperatures	Rudavskii Eduard Y. (0572) 300-317	Institute for Low Temperature Physics and Engineering, Kharkiv	121 580						0	US:1, EU:2
1502	Establishment of the Reference Dosimetry Laboratory in the Ukraine	Bougat Olexander A. (044) 265-6473, (044) 265-8342 (f), max@spin.kiev.ua	"Spectr Plus" Scientific Production Enterprise	119 648	119 648					119 648	US:3
1503	Diversified Technology Studies of Transport, Conversion and Further Utilization of High-Molecular Polymer Materials	Shamsutdinov Kamil K. (06432) 727-01, (06432) 737-86 (f)	G.I.Petrovsky Chemical Enterprise, Lugansk	250 000						0	US:1, EU:2
1504	Development of Optical and Electronic Methods and Equipment for Contactless non-Destructive Monitoring and Technical Diagnostics of Large-Sized Constructions of Civil Aviation	Udalov Evgen P.	Kyiv State University (Ukraine); Scientific and Manufacturing Society Academprigor, Kyiv	295 690						0	US:1
1507	The Development of a Highly-Effective System for Microwave Heating	Adamenko Igor M. (0572) 35-1683	Kharkiv State University, Kharkiv	152 000						0	US:1

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1510	The Development of the Set for Laser Therapy, Ophthalmology and Gastroenterology on the Modified Fiber-Optic System of Pyrofuse	Klimov S.A. (0572) 45-8059	"TECHINFOPROM" Scientific and Production Firm, Kharkiv	71 280						0	2
1518	New Approaches to Interpretation of Radar Data for Dry Planetary Surfaces and Prospective Spaceborn Radar Experiment for Lunar Exploration	Shkuratov Yuriy G. (0572) 43-2428	Kharkiv State University, Kharkiv	98 260						0	2
1522	Development of the Design and Technology for Fabrication of Silicon-on-Insulator (SOI) - Based Integrated Circuits (ICs) Tolerant to High Temperatures and Pulse Irradiation Interference for Utilization at the Nuclear Power Station	Lysenko Volodymyr S. (044) 265-6177	Institute of Semiconductor Physics, Special Technology Department, Kyiv	170 000						0	2
1527	Development of New Sulphurized Chromium-Based Corrosion-Resistant and Wear Resistant Materials and Protective Coatings from Them for Use in Aggressive Hydrogen Sulphide Containing Environment	Slys I. (044) 444-0381	Institute for Problems of Material Sciences, Kyiv	209 090						0	2
1528	Three-Dimensional Fokker-Planck Model of Charged Fusion Products in Tokamak Reactor	Yavorskij Victor O. (044) 265-4591	"Institute for Nuclear Researches" Scientific Center, Kyiv	169 120						0	US:1
1534	Development of Materials and Processing of the Electrospark Coatings Deposition on Metallic Implants, Tools and Structural Parts	Tkachenko Yuriy G. (044) 444-2101	Institute for Problems of Material Sciences, Kyiv	218 424						0	2
1537	Receivers of Sub-Millimeter and Far Infrared Radiation which are Controlled by Extremely Weak Electric Current	Lashkarev Georgiy V. (044) 444-3228	Institute for Problems of Material Science, Kyiv	243 320						0	US:1

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3. Rewrite/Resubmit - See Comments
4. Other - See Comments
5. Funding Party's Collaborator Required



#	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds (US \$)	Canadian Funds (US \$)	European Funds (US \$)	European Funds (ECU)	Other Funds (US \$)	Total Funding (US \$)	Comments Conditions
1540	Polymer and Semiconductor Thin Films Structures for Optoelectronics	Vlaskina Svetlana (044) 265-5530, (044) 265-8342 (f), class@class.semicond.kiev.ua	Institute for Semiconductor Physics-45, Nauky ave., Kyiv 252028	255 000						0	2
1542	Technology of Magnetically-Controlled Electroslag Melting of High-Alloyed Titanium Alloys to Improve their Service Life and Reliability in Civil Machine-Building Application	Kompan Yaroslav Yu. (044) 220-1819	Paton Electric Welding Institute, Kyiv	210 000						0	US:1, EU:1
1546	Elaboration of Control Systems of Asynchronous Generator Plants	Vyshnevsky Leonid V. (0482) 44-7615	Odessa State Marine Academy, Odessa	118 000						0	US:1
1547	Diagnosis of the Pollution Transport within Inland Seas Using Satellite Data	Demyshev Sergij G. (0692) 71-0096, (0692) 71-0138 (f), savinnei@bios.iuf.net	Sevastopol Institute of Nuclear Energy and Industry, Sevastopol	109 549	109 549					109 549	US:5
1554	Development of New Cold-Resistant and Corrosion-Resistant Steels and Alloys Through the Control of Grain Sizes and Grain Boundary Purity for Use in Offshore Rigs and in Main Gas and Oil Pipelines	Trotsan Anatoly I. (044) 444-0002	Institute for Problems of Material Sciences, Kyiv	81 642						0	US:1, EU:2
1564	Express Non-Invasive Testing of the Human Body Hemoglobin	Snegur O. (044) 552-8158	State Scientific-Engineering Center of the Microelectronics of the Institute of Cybernetics, Kyiv	73 000						0	2
1565	Definition of Regularities of Plastic Straining and Phase Transformations in Materials at Ultra-high Pressures and High Temperatures	Novikov Mykola V. (044) 435-1321	Institute for Superhard Materials, Kyiv	270 000						0	US:1, EU:2
Gr-02	Development and Investigation of a Regulated Precision Fibre-Optical Phase Shifter-Of Electrical Signals	Danelyan Arkadij (99532) 613-500, (99532) 940-913 (f), devi@presid.acnet.ge	Research Institute for Standardization, Metrology and Certification of the SIA "ISARI"(Georgia), State Scientific & Industrial Association "Metrology" (Ukraine)	224 000						0	2

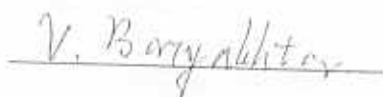
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Gr-03	Research and Development of Shortwavelength Solid State Lasers with Operable Characteristics Through Selective and Ionizing Radiation	Tsintsadze Givi (99532) 951-954, (99532) 932-709 (f), root@gp.postnet.ge	Institute of Cybernetics Academy of Science of Georgia (Georgia), Donetsk Physico-Technical Institute of the NASU	201 050						0	2
Gr-04	System for Technical and Instrumental Inspections of Environmental Pollution Parameters of Euro-Asian Transport Corridor (Ecological Monitoring of Transport Corridor - EMTC)	Primisky Vladyslav P. (044) 269-9913, (044) 269-5268 (f)		200 960						0	US:1
Uzb-01(R)	Investigation of Functionality Significant Proteins of Cotton Seeds and Development of Highly Effective Technologies of the Production of Producers on the Basis of Cotton Seed Oil Cake	Salikhov Shavkat Ismailovich (371) 162-3540, (371) 162-8906, root@ibc.tashkent.su	A.S.Sadikov Institute of Bioorganic Chemistry Academy of Science Uzbekistan	72 000	72 000					72 000	US:5
Uzb-04(R)	Organization of Production of Photo-Voltaic Modules With Capacity 500 Kw on Amorphous Silicon Basis	Gulnara Sh. Rashidova	Technology Transfer Agency	36 735	36 735					36 735	US:4, 5
Uzb-07	Luminescence Spectroscopy of High Purity Optical Materials in Detecting of Y-Radiation	Kasymdzhanov Maruf A.	Heat Physics Department of Uzbek Academy of Sciences	51 860						0	US:1
Uzb-08	Collisions of Heavy Ions with Solid Surfaces Complex Atoms and Molecules	Matveev Victor I.	Heat Physics Department of Uzbek Academy of Sciences	69 000						0	US:1
Uzb-10	Research of Radioactive Pollution and Degree of Its Influence on the Environment and Population in the Bordering Regions of the Republic of Uzbekistan and Kirghiz Republic at the Areas with Radioactive Wastes	Khabibullaev Pulat K.	Technology Transfer Agency	900 898						0	2
Uzb-11	Nuclear Detection Monitoring Suite for Uzbekistan	Bekhzod Yukdashev 371 264 1552 371264 25 90	Institute of Nuclear Physics, Tashkent	179 189	55 000					55 000	US:4, 5
Uzb-12	The Investigation of Gamma-Ray Back Scattering on the Different Objects	Usmanov Rustam R.	Tashkent State University, Institute of Applied Physics	494 230						0	US:1

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Uzb-13	The Investigation of Total External Reflection of Gamma-Radiation	Muminov Tohib M.	Tashkent State University, Institute of Applied Physics	470 230						0	US:1
Uzb-14	Creation of an Automated Satellite Monitoring and Notification System About Extreme Situations	Ibragimov Igor A.	Uzbekistan State Space Agency "Uzbekcosmos"	208 000						0	US:1
Uzb-15	Project Development of Satellite Communications in Uzbekistan	Abdullaev Fatkhulla S.	Uzbekistan State Space Agency "Uzbekcosmos"	208 000						0	US:1
Uzb-20	The Development of Ecologically Clean, Multiobjective Complex Grain and Industrial Crops Technologies Based on Traditional Nonchemical Methods and Microwave Irradiation	Muminov M.	Institute of Nuclear Physics	230 080						0	US:1
Uzb-24	Development and Optimization of New Perspective Honeycomb Designs of Conversion Purpose and Introduction of Technology of Their Manufacture	Zimin I. W.	Chirchiksky Experimental Plant "Composite"	201 000						0	US:1
Uzb-28	Indoor and Outdoor Radon Monitoring in Uzbekistan	Abdurashid Ya. Yafasov	"Academmasbob", Uzb. Academy of Science	86 996						0	US:1
										0	
				54 752 938	2 322 468	65 163	1 370 267	1 190 770	50 000	3 807 898	

  
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Board Member for the European Union

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