

STCU PROJECT FUNDING TABLE  
6th Governing Board Meeting, June 8-9, 1998

Project No.	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds	Canadian Funds	Swedish Funds	Comments Conditions	Total Funding	Other Funds
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				US:2		
53 (C)	Radioprotective Materials and Structure Technologies Based on Fine-Dispersed Compositions	Shevtsov Anatoliy I. (0562) 92-5078, (0562) 70-0125 (f), kbu@public.ua.net	"Pivdenne" State Design Bureau 3, Kryvorizka str., Dnipropetrovsk, 320060	\$249 850	\$15 000			US:4, 5	\$15 000	
057 (B)	Plasma Steralizer	Soloshenko Igor (044) 265-0925, (044) 265-1589 (f), solosh@marion.iop.kiev.ua	Institute of Physics of the NASU 46, Nauky ave., Kyiv, 252651	\$83 864	\$83 864			US:5	\$83 864	
084 (R)	Development of the Technology for Intensive Deep Evaporation of Mineralized Waters. Development and Manufacture of Installation for Industrial Wastewater Evaporation and for Desalination of Natural Mineralized Waters	Shniakin Volodymyr N. (0562) 42-3459, (0562) 92-5041 (f)	"Pivdenne" State Design Bureau 3, Kryvorizka str., Dnipropetrovsk, 320060	\$237 680				US:2		
125 (C)	Research and Development of a Highly-Efficient New Generation Bremsstrahlung X-Ray Converter for Sterilizers. Improved Dose and Rate X-Ray Source Development	Chorny Valentyn V. (0572) 35-2722	Kharkiv State University 4, Svoboda sq., Kharkiv, 310077	\$60 940	\$60 940			US:5	\$60 940	
128 (C)	Development of High-Performance Equipment and Process Engineering to Bore the Boreholes by Means of Mining Rock Melting (Thermobore)	Shnyakin Volodymyr N. (0562) 42-3459	"Pivdenne" State Design Office 3, Kryvorizhska str., Dnipropetrovsk, 320008	\$200 000	\$200 000			US:5	\$200 000	
137	Development of Methods for the Utilization of Fluid Propellant-Heptyl. Synthesis and Development of Technology for Obtaining Surface Active Compounds from Heptyl	Grigoriev Anatoly O. (044) 559-7054, (044) 573-2552 (f)	Institute of Biorganic and Petroleum Chemistry of the NASU 50, Krakivske shosse, Kyiv, 253161	\$100 000				US:2		

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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, 310086	\$121 748				US:1		
183 (VR)	Radiation Technologies for Public Health Control, Food Industry and Ecology	Klepikov Vyacheslav (0572) 404-720, (0572) 408-284 (f), aek@ice.sfera.kharkov.ua	Scientific and Technological Center of Electrophysical Treatment of the NASU P.O.Box 9410, 3, Valter str., Kharkiv, 310109	\$179 000				US:2		
248 (R)	Development of Database of Mechanical Characteristics of Materials and Damages of Different Kinds as a Basis for the Design of Optimum Structures for Modern Technology	Demenkov Alexander F. (0562) 47-2644, (0562) 47-3413 (f)	Institute for Technical Mechanics of the NASU, 15, Leshko-Popel str., Dnipropetrovsk, 320601	\$120 000				US: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, 310109	\$54 560				US:1		
294 (J)	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, 310109	\$749 921				US:1		
332	Thermally and Cryogenically Resistant Reactive Adhesives Containing Urethane Fragments in Chain for Development of Ecologically Clean Technologies of Bonding	Kuksin Anatoly M. (044) 559-3995, (044) 552-4064 (f)	Institute of Macromolecular Chemistry of the NASU 48, Krakivske shosse, Kyiv, 253661	\$192 160	\$101 802	\$5 358		US:4,5	\$107 160	
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.zaporizhzhje.ua	"Electroautomatica" Design Bureau 166, Lenin ave., Zaporizhzhja, 330036	\$246 950				US:1		

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342	The Radiomonitoring of Radwaste Storage	Milinevsky Mykola (044) 263-2092, (044) 263-0324 (f)	Ukrainian Radiation Training Center, 36, Vasilkivskaya str., Kyiv, 252023	\$154 270				US: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, 310086	\$85 000				US:1		
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, 310165	\$197 000				US:1		
361 (R)	Multifunctional Waveguide-Slot and Aperture Radiating Systems and Arbitrary and Guided Polarization Microwave Devices	Katrich Victor O. (0572) 47-1816 (f), victor.a.katrich@univer.kharkov.ua	Kharkiv State University, 4, Svobody sq., Kharkiv, 310078	\$69 900				US:2		
365	Development of Wide-Band Millimeter-Wave Noise Radar for High-Informative Short-Range Radar Systems for Civil Applications	Lukin Konstantin A. (0572) 44-8349, (0572) 44-1105 (f), lukin@ire.kharkov.ua	Institute of Radio Physics and Electronics of the NASU, 12, Ac.Proscura str., Kharkiv, 310086	\$111 900	\$95 115	\$5 595	\$11 190	US:5	\$111 900	
363	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	Politanskii Leonid F. (04622) 6-1865, (04622) 6-0862 (f)	"RUTA" Special Design Bureau, 248, Ruska str., Chernivtsi, 274024	\$160 000				US:1		
387	Radionet of Telemetry Information	Malyuga Valery (044) 220-9601, (044) 227-23-17 (f)	"KVANT" Scientific and Research Institute, 5, Dimitrova str., Kyiv, 252007	\$107 666				US:1		
396	Multichannel System for Infrared and Millimeter Wave Investigations	Kuz"kov Volodymyr P. (044) 266-4769, (044) 266-2147(f)	Main Astronomic Observatory, Golosliv, 252651	\$95 194				US:1		

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398	Development of Scientific Basis for Control of Underwater Explosion Energy to Build Harbours, Channels, Ditches, Water Conveyance Channel, Underground Storage Facilities, etc.	Nagorny Volodymyr P. (044) 225-2265, (044) 225-0252 (f)	Institute of Geophysics, 63, B.Khmelnitsky str., Kyiv, 252055	\$46 000				US: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				US:1		
411	Development of the Pulse Shape Discrimination Technique and Sensitivity Enhancement of the Installation for 116Cd Double Beta Decay Experiment	Zdesenko Yuri (044) 265-2210, (044) 265-4463 (ф), interdep@kinr.kiev.ua	Institute for Nuclear Research Kyiv	\$185 800		\$	\$	US: 2		
420	The Development of the Business and Department Satellite Communication Network of Ukraine	Titov Valery S. (044) 220-5488, (044) 227-2317 (f)	"KVANT" Scientific and Research Institute 5, Dimitrova str., Kyiv, 252006	\$168 332				US:2		
429	Atmosphere Monitoring Laboratory to Kyiv	Kochelap Vjacheslav O. (044) 265-6033, (044) 228-0478 (f)	Institute of Fundamental Problems for High Technology 46, Nauky ave., Kyiv, 252650	\$129 914	\$116 923		\$12 991	US:5	\$129 914	
436 (R)	Research and Creating of Wireless Feed Sources and Radio Hygiene Equipment Based on Transmission Systems of Power by Means of a Radiobeam (TSPR)	Loman Volodymyr I.. (044) 291-2549, (044) 290-5231 (f)	"Lantan LTD" Commercial Enterprise 45/1, Moskovska str., Kyiv, 252149	\$100 000				US: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				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@itf.kiev.ua	Institute of Technical Thermophysics of the NASU 2a, Zheliabov str., Kyiv, 252058	\$102 520				US:1		

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462	Development of New High-Efficient Technologies for Fabrication of Welded Structures of Higher-Performance Aluminium Alloys, Incl Passenger and Transport Aircraft, Railway Cars and Other Products, Using the Methods of Mechanized and Automated Arc Welding	Ishchenko Anatoliy Y. (044) 227-4406, (044) 268-0486 (f)	E.O.Paton Electric Welding Institute of the NASU 11, Bozhenko str., Kyiv, 252650	\$92 754	\$92 754			US:5	\$92 754	
482	Improvement of Whole-Industrial Axial Fans Energy-Saving Properties	Krivtsov Volodymyr S. (0572) 441-162	Kharkiv Aviation Institute 17, Chkalova str., Kharkiv, 310084	\$110 000				US:2		
489	Research and Development of Technology of Finishing Articles from Silica-Containing Hard Natural Stones Meeting the Quality Requirements of the Word Market with the Aim to Organize the Production of Facing Tiles	Rogov Valentyn V. (044) 435-4380, (044) 435-3291 (f)	Institute for Superhard Materials of the NASU 2, Avtozavodska str., Kyiv, 254074	\$149 600				US: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 I. (044) 477-9372, (044) 477-6208 (f)	"Saturn" Scientific and Production Open Joint-Stock Company 2b, 50-Richya Zhovtnya ave., Kyiv, 252149	\$199 955				US:1		
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				US:1		
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, 320060	\$420 000				US:1		

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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				US:1		
523 (R)	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				US:1		
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				US:1		
550	Elaboration of Technologies of Underground Cavities Creation with the Help of Explosion Energy and Mathematical Simulation of Their Dynamical Behavior	Luchko Ivan A. (044) 441-7434	Institute of Hydromechanics of the NASU 8/4, Zhelyabova str., Kyiv, 252057	\$120 000				US:2		
554	Research of Problems of High-Accurate Optico-Electronic Distance Measurement of Short Distances for Moving Objects	Budianskaya Ludmyla Mykhailivna (0482) 63-7757, (0482) 23-2463 (f)	Odessa State University 7a, Dovzhenko str., Odessa, 270060	\$48 700		\$2 435	\$46 265	US:2	\$48 700	
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				US:1		
562	Development of Scientific Base for Designing Software/Hardware Crime-Detection Complex for Carrying Out Phonoscope	Gorban Igr I. (044) 266-6174, (044) 446-8129 (f), gorban@immisp.kiev.ua	Institute of Mathematical Machines and Systems 42, Glushkov ave., Kyiv, 252188	\$65 940				US:1		

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564	Creation of the Intelligent Computer Based System for Chernobyl Catastrophe Consequences Overcoming Optimization as the Basis for Creation of National Computer-Based System for Preventing and Elimination of Extraordinary Situations in Ukraine	Shostak Volodymyr F. (0572) 43-3053, (0572) 40-9113 (f), fd@khture.kharkov.ua	Kharkiv State Technical University of Radio Electronics 14, Lenin ave., Kharkiv, 310726	\$185 600				US:2		
567 (VR)	Investigation of the Mechanisms of Microwave (in Particular, Gyrotron) Radiation Interaction with Semiconductor Materials and Structures with the Aim to Develop New Technological Process for Manufacturing Semiconductor Materials and Devices	Svechnikov Sergij V. (044) 265-4020, (044) 265-8342 (f), mickle@semicond.kiev.ua	Institute of Semiconductor Physics of the NASU 45, Nauky ave., Kyiv, 252651	\$230 000				US:2		
572 (VR)	Nontraditional Problems for Optimization Dynamic Processes and Optimal Design of Some Technical Systems	Gerashchenko Fedir G. (044) 266-4174, (044) 266-1059 (f), krak@cyber.univ.kiev.ua	Kyiv Taras Shevchenko University, Physical Department 64, Volodymyrska str., Kyiv, 252033	\$160 000				US: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, 252057	\$75 200				US:1		
576	Elaboration of Physical and Chemical Fundamentals and Technologies of Semiconductor Materials for Functioning Electronics	Puga Pavlo P. (03122) 43-772, (03122) 43-850 (f), iep@iep.uzhgorod.ua	Institute of Electron Physics of the NASU 21, Universytetska str., Uzshorod, 294016	\$209 900	\$150 000			US:4,5	\$150 000	
585	High-Precision Optic-Electronic Pressure Values Sensors	Mytsyk Bohdan H. (0322) 63-8244 (f)	Special Design-Technological Bureau (SDTB) of Physical-Mechanical Institute 5a, Naukova str., Lviv, 290004	\$230 350				US:2		

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587 (VR)	Elaboration of Methods for Forced Testing of Products Made from Brittle Materials Operating Under Ionizing Irradiation "FORCING"	Osadchuk Vasyi A. (0322) 39-8518, (0322) 63-6270 (f), kalyniak@ippmm.lviv.ua	"Lvivska Polytechnica" State University 12, S.Bandery str., Lviv, 290013	\$152 370				US:2		
588	Development of Technology Principles of the New Sensitive Materials for the Photoelectronics	Slynko Evgeny I. (03722) 34-251, (03722) 25-155 (f), slynko@imspas.chernovtsy.ua	Chernivtsy Department of Institute for Problems of Material Science of the NASU 5, Iryna Vilde str.,	\$100 000				US:2		
591	Development of Physical Principles of the Molecular Nanotechnologies of Layered Crystals	Kovalyuk Zakhar D. (03722) 34-251, (03722) 25-155 (f), root@imspas.chernovtsy.ua	Chernivtsy Department of Institute for Problems of Material Science of the NASU 5, Iryna Vilde str.,	\$128 000	\$128 000			US:5	\$128 000	
592	Design of New Class Miniature Magnetolectric Systems for Vision Field Position Stabilization and Control at High Quality Optical Devices	Antonov Olexander E. (044) 441-2461	Institute of Electrodynamics of the NASU 56, Peremohy ave, Kyiv, 252680	\$96 390				US:2		
594	Research of the Anomalies of Aero-Ion Climate in Zone of Radioactive Pollution of Soil and Air	Kluchnikov Olexander O. (044) 265-2015, (044) 265-4463 (f)	Special Design Bureau with Experimental Production at the Institute for Nuclear Research of the NASU 47, Nauky ave., Kyiv, 252022	\$133 850				US:2		
603 (VR)	New Active Mineral Fillers for Polymeric Composites	Kachanovska Lidia D. (044) 444-0196, (044) 452-0276 (f), b-colloid@lnet.isf.kiev.ua	Joint Laboratory of Medical Physics and Bio-Colloidal Systems at the Institute of Colloid and Water Chemistry of the NASU 42, Vernadsky ave., Kyiv, 252680	\$90 887				US:2		
610	Design and Development of the Information Communication System for Acquisition, Procession and Dissemination of Observation Data from the Permanent GPS Stations Network in Ukraine	Berczik Peter P. (044) 266-2147 (f), (berczik@mao@kiev.ua	Main Astronomical Observatory of the NASU Golosiiv, Kyiv, 252651	\$83 624				US:2		

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Project No.	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds	Canadian Funds	Swedish Funds	Comments Conditions	Total Funding	Other Funds
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, 310003	\$118 900				US:1		
612	Development of the Non-Destructive Methods and Instrumentation for Determining of Spatial Distribution of Material's Physical and Mechanical Characteristics Applying to the Technical Diagnosis	Nazarchuk Zinovy t. (0322) 63-7038, (0322) 64-9427 (ф)	Karpenko Physico-Mechanical Institute of the National Academy of Science, Lviv	\$232 250	\$116 125			US: 5 Japan \$	\$232 250	\$116 125
619	Screening of the Territory of Ukraine for Revealing the Sites in Geological Formations Perspective for Isolation of Environmentally Dangerous Wastes	Sobotovych Emlen V. (044) 444-0060 (f)	State Scientific Center for Environmental Radiochemistry 34, Palladin ave., Kyiv, 252681	\$243 100				US:2		
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				US:1		
629	Development and Introduction of Technology for Anode Spark Hardening of Construction Material Surfaces	Tuluzov Igor G. (0572) 40-8285, (0572) 40-8284 (f)	"AEK" Inter-Regional Association Floor6, Entrance4, Gosprom, Kharkiv, 310023	\$124 720				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				US:1		
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				US:1		
641	Nitrogen Steels for Aircraft Industry	Gavriljuk Valentyn G. (044) 444-3310 (f), gavr@d24imp.kiev.ua	Institute for Metal Physics of the NASU 36, Vernadsky ave., Kyiv, 252142	\$115 420	\$115 420			US:5	\$115 420	

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642	Elaboration of Systems of Engineering Diagnostics and Control for Complex Power Plants in Terms of Pattern Recognition, Digital Filtrating and Adaptive Control	Babak Oleg V. (044) 266-2549	International Science and Education Center of Informational Technologies and Systems of the NASU 40, Ac. Glushkov ave., Kyiv, 252207	\$175 600				US:2		
648(J)	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				US:1		
651 (J)	Liquidation of the Chernobyl Disaster Aftermath: Development of a Technology for Pyrolytic Processing, Disposal and Compacting of Combustible Radioactive Technological Waste	Shimanovsii Olexander V. (044) 484-9517 (f), postmaster@rimapp.kiev.ua	Research Institute of Mechanics of Quick- Proceeding Processes , Kyiv	\$278 780	\$		\$	Japan \$, 4	\$74 020	\$74 020
655 (J)	Development of Scientific Foundations for Creating Structural Composites by Radiation Methods	Neklyudov Ivan M. (0572) 35-6368, (0572) 35-1738 (f), kfti@rocket.kharkov.ua	"Kharkiv Institute of Physics and Technology" National Scientific Center 1, Academichna str., Kharkiv, 310108	\$180 000				US:1		
656 (R)	Development and Production of High Energy Lithium Accumulators	Frolov Victor P. (0562) 92-5103, (0562) 70-0125 (f)	"Pivdenne" State Design Bureau ("Yuzhnoye") 3, Kryvorizhska str., Dnipropetrovsk, 320009	\$197 880	\$197 880			US:5	\$197 880	
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" State Design Bureau ("Yuzhnoye") 3, Kryvorizhska str., Dnipropetrovsk, 320008	\$117 650				US:1		
716	Electrodynamical Investigation of Microwave Filters on a High-Q Dielectric Resonators	Trubin Alexander O. (044) 441-1272	"Kyiv Polytechnical Institute" National Technical University 37, Peremohy ave., Kyiv, 252057	\$65 500				US:1		
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, 252651	\$229 000				US:1		

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STCU PROJECT FUNDING TABLE  
6th Governing Board Meeting, June 8-9, 1998

Project No.	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds	Canadian Funds	Swedish Funds	Comments Conditions	Total Funding	Other Funds
720	Development of New Materials and Technologies of Production of High Sensitive Elements for Magnetoresistive Devices	Krivoruchko Volodymyr N. (0622) 55-6847, (0622) 55-7462 (f), krivoruc@host.dipt.donetsk.ua	Donetsk Physico-Technical Institute of the NASU 72, R. Luxemburg str., Donetsk, 340115	\$183 120				US:2		
721	Optical Ceramic Materials for Operation under Conditions of Power the Light Effect	Kakazey Mykola G. (044) 444-2371, (044) 444-2078 (f), dep8@ipms.kiev.ua	Institute for Problems of Materials Science of the NASU 3, Krzhizhanivskogo str., Kyiv, 252681	\$182 003				US:2		
726	Development of Ferromagnetic Shape Memory Alloys and Elaboration of New Magnetic Actuators on Their Base	Kokorin Volodymyr V. (044) 444-01317 (044) 444-1020 (f), kokor@guukr.freenet.kiev.ua	Institute of Magnetism of the NASU 36-b, Vernadsky ave., Kyiv, 252681	\$193 000				US:2		
733	The Production and Utility of Deformation Structures in Metals	Moiseev Volodymyr F. (044) 444-0051, (044) 452-5523 (f)	Institute for Problems of Materials Science of the NASU 3, Krzhizhanivskogo str., Kyiv, 252681	\$38 240			\$38 240	US:1	\$38 240	
735	Reaction Mechanisms on Surfaces of Dust Particles with the Participation of Organic Compounds, Oxygen and Water Under Sunlight	Gun'ko Volodymyr M. (044) 265-6731, (044) 264-0446 (f), lena@silar.kiev.ua@relay.ua.net	Institute of Surface Chemistry of the NASU 31, Nauky ave., Kyiv, 252023	\$84 700				US:2		
741	Station for Ecological Inspection of Motor Vehicles	Prymisky Vladislav (044) 269-9923 (044) 269-5268 (ф)	"Ukrainian Scientific and Research Institute for Analytical Instrumentation" Open Joint Stock Company 6, Tverska str., Kyiv, 252006	\$202 220	\$87 860		\$	US: 5 SW: 4	\$87 860	
742	Investigation of Fusion Products Influence on the Tokamak-Reactor First Wall	Gavryliuk Viktor I. (044) 265-4350, (044) 265-1402 (f), kinr@sovam.com	"Institute for Nuclear Researches" Scientific Center 48, Nauky ave.,	\$78 000				US:1		
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" State Design Bureau ("Yuzhnoye") 3, Kryvorizhska str., Dnipropetrovsk, 320008	\$199 800				US:1		

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STCU PROJECT FUNDING TABLE  
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Project No.	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds	Canadian Funds	Swedish Funds	Comments Conditions	Total Funding	Other Funds
760	Development of Scientific Basis of Electroslag Hot-Topping of High-Mass Ingots and Castings with Macrocolers Application	Tsykulenko Anatoly K. (044) 261-5892, (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, 252651	\$268 120				US:1		
770	Designing and Reducing to Practice Ni-Hydride Accumulators of Wide Consumption	Kuzminsky Evgen V. (044) 221-6490, (044) 274-2004 (f)	"Technoelectrochem" Scientific and Engineering Center Vernadsky ave., Kyiv, 252143	\$90 850				US:2		
787	Development (Technical Project) of the Installation for Burning and Gasification of Coal in Circulating Boiling Layer Under Pressure	Borisenko Stanislav V. (0562) 42-0020, (0562) 70-0125 (f), kbu@public.ua.net	"Pivdenne" State Design Bureau 3, Kryvorizhska str., Dnipropetrovsk, 320060	\$197 123	\$197 123			US:5	\$197 123	
810	Development of Technology for Reduction of External Magnetic Fields of Electric Equipment	Rozov Volodymyr Yu. (0572) 99-1190, (0572) 99-2162 (f), kia@u-fri.kharkov.ua	Institute of Electrodynamics of the NASU 19, Industriyna str., Kharkiv, 310107	\$184 834				US:1		
815	Multipurpose System for Radiation Monitoring	Galunov Mykola Z. (0572) 30-7052, (0572) 32-0270 (f), galunov@isc.kharkov.ua	"Institute for Single Crystals" Scientific and Technological Concern 60, Lenin ave., Kharkiv, 310002	\$161 500	\$153 425	\$8 075		US:5	\$161 500	
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, 330036	\$155 000				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" Reserach Institute 5, E. Potier str., Kyiv, 252071	\$225 800				US:1		
822	Providing of High Resistance to Brittle Fracture of Low Alloyed Engineering Steels at Low Temperatures by Means of Intensive Thermal Treatment	Teliovich Roman V. (044) 444-9582, (044) 444-0120 (f)	Institute for Metal Physics , Kyiv	\$170 000	\$93 038	\$10 338	\$	US: 5 SW: 4	\$103 375	

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Project No.	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds	Canadian Funds	Swedish Funds	Comments Conditions	Total Funding	Other Funds
840	Device for the Proximate Reveal of the Gas Pipe-Line Leakage without Spoil Digging	Maksimovich Nelli P. (044) 446-4244, (044) 565-2823 (f)	"SONAR" Research Center for Biotechnological Systems of the NASU 52/2, Peremohy ave., Kyiv, 252057	\$179 566	\$119 711			US:5 Japan \$, 4	\$179 566	\$59 855
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, 252651	\$245 405				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, 252651	\$175 180				US:1		
855	Intensive Coherent Radiation Emitted by Charged Particle Beams	Kurilko Victor I. (0572) 35-6115, (0572) 35-3564 (f), kfti@rocket.kharkov.ua	"Kharkiv Institute of Physics and Technology" National Scientific Center 1, Academichna str., Kharkiv, 310109	\$59 520	\$50 000			US:4,5	\$50 000	
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.freenet.kiev.ua	Institute of Surface Chemistry of the NASU 31, Nauky ave., Kyiv, 252023	\$91 212				US:1		
865	Elaboration of New Physical Methods of Ultrasound Visualization and Medical Diagnostics	Tovstiak Volodymyr V. (0572) 35-2959, (0572) 35-3977 (f), tovstiak@pem.kharkov.ua	Kharkiv State University 4, Svobody sq., Kharkiv, 310078	\$153 460	\$138 114		\$15 346	US:5	\$153 460	
868	Obtaining New Materials for Nuclear Radiation Sensors and Creation of Ecology Monitoring Devices	Komar Vitaliy K. (0572) 30-7069, (0572) 32-0019 (f), komar@isc.kharkov.ua	"Institute for Single Crystals" Scientific & Technological Concern 60, Lenin ave., Kharkiv, 310001	\$208 700				US:2		
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, 310002	\$140 580				US:1		

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Project No.	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds	Canadian Funds	Swedish Funds	Comments Conditions	Total Funding	Other Funds
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				US:1		
891	Investigation, Development, Design and Production of a Cavitation Reactor for Sewage Purification Local Systems	Ogorodnik Anatoly V. (044) 225-5312	"UKRTECHKHIMPROM" State Enterprise 110, Zhelyanskaya str., Kyiv, 252036	\$243 690				US:2		
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				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				US:1		
907	X-Ray Radiation Detector-Screen	Kyjak Bohdan R. (044) 252-4815, degoda@expphys.ups.kiev.ua	"Arvina" Scientific and Manufacture Firm 98, Chervonoarmiyska str., Kyiv, 252006	\$148 000	\$148 000			US:5	\$148 000	
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., 310001	\$247 000				US:1		
928	Experimental and Theoretical Study of Interdigital H-Structure of Linear Accelerator of Heavy Ion with High Value of Mass to Charge	Bomko Vasyi O. (0572) 40-4286, (0572) 35-3564 (f), kfti@rocket.kharkov.ua	"Kharkiv Institute of Physics and Technology" National Scientific Center 1, Academichna str., Kharkiv, 310108	\$205 862				US:2		
943	Multifrequency Search for Ionospheric Responses to Natural and Anthropogenic Disasters	Yampolski Yuri M. (0572) 44-8462, (0572) 47-6506 (f), yampol@rian.kharkov.ua	Institute of Radio Astronomy of the NASU 4, Chervonopraporna str., Kharkiv, 310003	\$200 000				US:2		

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Project No.	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds	Canadian Funds	Swedish Funds	Comments Conditions	Total Funding	Other Funds
944	Investigation of Magnetic Impurities in Multi-Layer Structures, Films, and Crystals	Dugaev Vitalii K. (03722) 2-0050, (03722) 2-5155 (f), dugaev@imspas.chernovtsy.ua	Chernivtsy Department of the Institute for Problems of Material Science of the NASU 51, Wilde str., Chernivtsy, 274000	\$267 505				US:1		
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, 252059	\$200 000				US:1		
964	Working Out a Program of Early Warning of Environmental Changes on the Basis of Structural-Biochemical Research of Plants of Industrial Regions of Ukraine	Zolotareva Olena K. (044) 224-4041, (044) 224-1064 (f)	Botany Institute of the NASU 2, Tereshchenkivska str., Kyiv, 252602	\$136 400				US:2		
1011	Optic Correlation Measuring Microscope	Angelsky Oleg V. (03722) 44-4730 (f), oleg@optical.chernovtsy.ua	Chernivtsy State University 2, Kotsubinsky str., Chernivtsy, 274013	\$150 000				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				US:1		
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, 252018	\$132 000				US:1		
1047	Control, Identification and Stabilization. Methods, Algorithms and Applications	Savchenko Olexii Ya. (0622) 55-3095, (0622) 55-22-65 (f), math@jamm.ac.donetsk.ua	Institute for Applied Mathematics and Mechanics of the NASU 74, Roza Luxemburg str., Donetsk, 340115	\$186 333				US:1		

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Project No.	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds	Canadian Funds	Swedish Funds	Comments Conditions	Total Funding	Other Funds
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., Kharkiv, 244030	\$300 000				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., Kharkiv, 244030	\$200 000				US:1		
1067	Working Out of the Ecologically Safe, High Capacity Alkaline Rechargeable Battery with Use of a New Generation of Hydride-Forming Electrode Materials on the Base of Non-Equilibrium Alloys and Fullerenes	Solonin Yuriy M. (044) 444-1533, (044) 444-2078 (f), solonin@ipms.kiev.ua	Institute for Problems of Materials Science 3, Krzhyzhanivsky str., Kyiv, 252141	\$239 850				US:2		
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. 310003	\$199 970				US:1		
1216	The Research of Principals of Structure Formation and Functioning Mechanism of Biogenic Hydroxapatite and Its Synthetic Analogues. The Development of Methods of Increasing Effective Usage of Materials on the Base of Synthetic Hydroxyapatite	Atamanenko Olga M. (044) 546-4692, pray@ufigo.kiev.ua	Research Center for Radiation Medicine of the NASU 53, Melnykov str., Kyiv, 252051	\$209 090	\$177 727	\$10 455	\$20 909	US:5	\$209 090	
1218	Hrdware-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, 252681	\$305 000				US:1		
1232	New Microwave Method for Accurate Remote Measurements of Distances and Technology Gaps	Rakityansky Volodymyr A. (0572) 44-8371, (0572) 44-11-05 (f), rakit@ire.kharkov.ua	Institute of Radiophysics and Electronics of the NASU 12, Ac.Proskura str., Kharkiv, 310086	\$76 660	\$76 660			US:5	\$76 660	

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Project No.	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds	Canadian Funds	Swedish Funds	Comments Conditions	Total Funding	Other Funds
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, 330036	\$185 000				US:1		
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, 254074	\$314 790				US:1		
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, 252181	\$149 950				US:1		
1377	The Development of Physico-Technological Principles of Joining Heterophase Materials for Components of Powerful Energy Supplies for Mobile Units	Perevertailo Vasyl 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				US:1		
1403	Development and Investigation of High Absorptive Coatings and Luminescent Materials for Physical Research and Applications	Blank Olexander Ya. (0572) 43-0212, (0572) 47-6506 (f), rai@ira.kharkov.ua	Institute of Radio Astronomy of the NASU 4, Chervonopraporna str., Kharkiv, 310003	\$180 077				US:2		
1438 (R)	Radiation Resistant Magnetic Measuring Instrumentation	Bolshakova Inessa A. (0322) 72-1632, (0322) 74-4300 (f), mms@inessa.lviv.ua	"Lviv Polytechnic" The State University 12, St. Bandera str., Lviv, 290647	\$150 000				US:1		
1457	Ground of the Possibility of Creation of the Devices on the Basis of Charged Particles Acceleration with Crossed EH-Fields in Undulating Fashion	Kulich Victor V. (0542) 330-298, (044) 334-058 (f), ssu@demex.sumy.ua	Sumy State University 2, Rymkii-Korsakov str., Sumy, 244007	\$112 748	\$112 748			US:5	\$112 748	

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Project No.	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds	Canadian Funds	Swedish Funds	Comments Conditions	Total Funding	Other Funds
1460	Adaptive Mask Technologies for Laser Eyes Microsurgery	Pekarik Olexander S. (044) 489-2517, (044) 410-0138 (f), pager: (069) 68-82	TECHNOLOGY R&D Company 1, Lomonosov str., Vyshneve, Kyiv region,	\$249 370				US:2		
1473	Interaction of Emission and Particles with Matter	Makarets Mykola V. (044) 266-4477, teamoptp@pd.ups.kiev.ua	Kyiv Taras Shevchenko University, Physical Department 64, Volodymyrska str., Kyiv, 252033	\$74 129				US:2		
1482 (J)	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, 252000	\$350 000				US:1		
1487	Development and Creation of Experimental Samples of Modern Electrocardiographs	Ryzhkova Tatyana S. (044) 444-9305, (044) 446-6091 (f), root@utas.kiev.ua	Institute of Engineering Thermophysics of the NASU 2a, Zhelyabov str., Kyiv, 252057	\$144 180				US:2		
1499 (J)	The Problems Of The Theory Of Collective Oscillations, Stability And Transport Phenomena In Plasma And Plasmalike Medium	Akhiezer Alexander (0572) 47-8274, (0572) 35- 2664 (f), nlaskin@kipt.kharkov.ua	Kharkiv Institute for Physics and Technology , Kharkiv	\$50 000				US:1 Japan \$	\$50 000	\$50 000
1502	Establishment of the Reference Dosimetry Laboratory in the Ukraine	Bougai Olexander A. (044) 265-6473, (044) 265-8342 (f), max@spin.kiev.ua	"Spectr Plus" Scientific Production Enterprise 45, Nauky ave., Kyiv, 252651	\$368 208				US:2		
1504 (J)	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. (044) 266-2397, (044) 266-5108, (044) 261-4343 (f)	Kyiv State University (Ukraine); Scientific and Manufacturing Society Academpribor, Kyiv	\$295 690				US:1		

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1514	CsI(Tl) Scintillation Crystals in the Shape of Parallelepiped for Calorimeters to Detect Space Gamma-Rays	Goriletsky Valentyn I. (0572) 30-7906, (0572) 32-0207 (f), amcrys-h@ovs.kharkov.ua	Scientific-Research Department of Alkali Halide Crystals with Experimental Manufacture STC Institute for Single Crystals 60, Lenin ave., Kharkiv, 310002	\$210 000	\$50 000			US:4,5	\$50 000	
1540 (J)	Polymer and Semiconductor Thin Films Structures for Optoelectronics	Vlaskina Svetlana (044) 265-5530, (044) 265-8342 (f), class@class.semicond.kiev.u	Institute of Semiconductor Physics (Ukraine); A.Navoi Samarkand State University, Kyiv	\$255 000				US:1		
Gr-01 (J)	Development of the Technology of Production and Control of the Quartz and Glass Plates for Liquid Crystal Screens	Kravchenko Vilen (044) 452-1872 (f), vkravchenko@gluk.apc.org	Research Institute "OPTICA"(Georgia), Research Center "SONAR"(Ukraine)	\$101 110	\$101 110			US:5	\$101 110	
Gr-02 (J)	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				US:1		
Gr-03 (J)	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-Technocal Institute of the NASU, Tbilisi	\$201 050				US:1		
Gr-04(J)	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)	Georgian Problem Center for Eurasian Transport Corridor of the Georgian Ministry of Transport (Georgia); Open Joint-Stock Company "Ukrainian Scientific and Research Institute for Analytical Instrumentation" of the Ukrainian Ministry of Industrial Policy	\$200 960				US:1		

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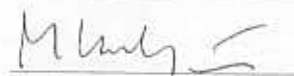
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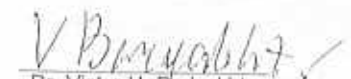
Project No.	Full Title	Project Manager	Leading Institution	Requested Funds	USA Funds	Canadian Funds	Swedish Funds	Comments Conditions	Total Funding	Other Funds
Uzb-01	Investigation of Functionality Significant Proteins of Cotton Seeds and Development of Highly Effective Technologies of the Production of Provenders on the Basis of Cotton Seed Oil Cake	Salikhov Shavkat Ismailovich	A.S.Sadikov Institute of Bioorganic Chemistry Academy of Science Uzbekistan, Tashkent	\$72 000				US:2		
Uzb-02	Technology Development For Engineering Ceramics And Fire-Proof Materials Production Of Wide Range Of Purpose On The Basis Of 1000 Kw Big Solar Furnace	Abdurakhmanov A	Institute of Material Sciences of Scientific-Production Association "Physics-Sun", Academy of Sciences of Uzbekistan	\$83 000	\$83 000			US:5	\$83 000	
Uzb-03	Development of Pulp Clearing Technology and Rational Use of Water Resources	Gutnikova Ritta Izrailovna	Tashkent Scientific Research Institute "VODGEO" of the State Committee for Nature Protection of the Republic of	\$134 552				US:2		
Uzb-04	Organization of Production Of Photo-Voltaic Modules With Capacity 500 Kw On Amorphous Silicon Basis	Gulnara Sh. Rashidova	Technology Transfer Agency	\$122 020				US:2		
Uzb-05	Development Of Advanced Nanostructural Materials For Solid Batteries	Aliev Ali Enverovich	Heat Physics Department of Uzbek Academy of Sciences	\$70 660	\$70 660			US:5	\$70 660	
51 (E)	Titanium Alloys with Stable Mechanical Characteristics on Exploitation in Wide Temperature Range	Ivasishin Orest M. (044) 444-22-10 Fax: 444-01-20	Institute of Metal Physics , Kyiv	\$7 260	\$7 260			US:4,5	\$7 260	
PROJECT TOTAL:				\$23 855 918	\$3 140 257	\$42 255	\$144 941		\$3 627 454	\$300 000

Travel Grant Program				\$10 000	\$10 000			\$20 000	
TOTAL:				\$3 150 257	\$52 255	\$144 941		\$3 647 454	\$300 000

Dr. John Boright  
Board Member for United States

  
Mr. Emil Baran  
Board Member for Canada

  
Ambassador Martin Hallqvist  
Board Member for Sweden

  
Dr. Victor H. Bar'yakhtar  
Board Member for Ukraine

- 1 Reviews Incomplete Consideration Deferred
- 2 Reviews Complete - No Williness to Fund Expressed
- 3 Rewrite\Resubmit - See Comments
- 4 Other - See Comments
- 5 Funding Party's Collaborator Required

## Partner Projects

6th Governing Board Meeting, June 8-9, 1998

Project No	Full Title	UKRAINE INSTITUTION	CONTACT	COMPANY	COUNTRY	CONTACT	Total funding	Comments/ Conditions
13	Transformable-volume structures designed for quick assembly of vessels for biological processing and sealed storing the wastes of cattle-breeding farms to improve the environmental conditions.	Paton Welding Institute of NASU	Paton Boris Evgenovich. Phone: (044) 227-31-83, (044) 227-31-77 FAX: (044) 268-04-86 Samilov Vladimir Mikolaevich. Phone: (044) 227-27-53	CONSORTIUM SERVICE MANAGEMENT GROUP, INC.	USA	Donald S. Robins. USA: Phone: (512) 887-75-46 FAX: (512) 884-07-92 Kiev: Phone: (044) 290-46-29 FAX: (044) 290-46-29	\$126 000	US : 4
14	Optimisation of working characteristics of the curvilinear plasma filter	National Science Centre "Kharkiv Institute of Physics and Technology"	Bilous Vitaliy A. Phone: (0572) 35-07-55, 35-61-05 FAX: (0572) 35-07-55 E-mail: kfti@rocket.kharkov.ua	VEECO INSTRUMENTS INC.	USA	Emmanuel Lakios. E-mail: elakios@aol.com FAX: (516) 349-8321	\$10 000	
15	Development of the superelastic material for ultrasonic sonotrodes	Institute of Metal Physics of NASU	Prof. Victor Kolomytsev Phone/fax: (044) 444 2010 444 9583. FAX: (044) 444 2010	Ultrasonics Steckmann GMBH	Germany	Dr. Helge Steckmann President Tel. 06086/1818 Fax 06086/3166 e-mail: ultrasonic@taunus.net ultrasonic-steckmann@t-online.de	\$64 050	
16	Hydrojet-Cutting at the Nuclear Power Plants.	Inter-branch Scientific Research Institute for Mechanical Problems "RITM"	Karpachev Yuriy A. Phone: (044) 241-7129. FAX: (044) 441-1572. E-mail: Pavlovsk@ritm.freenet.kiev.ua.	Lawrence Livermore National Laboratory	USA	Craig F. Smith Phone: (925) 423-1772 Fax: (925) 424-6889 E-mail: smith94@llnl.gov	\$161 000	
<b>Total</b>							<b>\$361 050</b>	

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