

#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
991	Research of Possible Stabilization Forms for Quasi-Isomorphous Activator Centers in High Melting Complex Oxide Single Crystals and Development of New Scintillation and Laser Materials on Their Basis	"Institute for Single Crystals" Scientific and Technological Concern; Kharkiv	Malyukin Yuri	\$150 000							US:2 Canada:2 EU:2
1587	Development of the New Technology of the New Class of Metal Insulator Materials for Magnetoresistive Sensors	Institute of Magnetism; Kyiv	Belokolos Eugene	\$82 812							US:2 Canada:2 EU:2
1628	Development of the Method of Assessment and Techniques for Prevention the Hydrogen Degradation of Metals	Karpenko Physical-Mechanical Institute, Ukraine NAS, Lviv		\$149 160	\$134 160	\$15 000			\$149 160	\$ 149160	US:5 Canada:5 EU:2
1637	Interactive System for Representation of Video Information	"Technology" Small Production Enterprise; Vyshneve	Kadan Victor	\$193 146							US:2 Canada:2 EU:2
1657	The Growth of High-Quality Acousto-Optical Mercurous Chloride Hg <sub>2</sub> Cl <sub>2</sub> Single Crystals	"Elent A" , Non-Traditional Technologies Science and Engineering Center; Dnipropetrovsk	Akimov Sergiy	\$140 250							US:1 Canada:1 EU:2
1682	Development of a Technology of Processing Ballistite Rocket Propellants in Civil Explosives	"Proton" Research and Design Center; Lviv	Chuchmaryev Olexander S.	\$82 800							US:2 Canada:2 EU:2
1685 (R)	Predicting Seismic Hazard Dynamics Based on Complex Geophysical Monitoring Data	Subbotin Institute of Geophysics; Lviv	Verbytskyi Taras	\$184 279							US:2 Canada:2 EU:2
1686	Creation of Radiophysic Methods for Detection of Infrasound Pollution of Atmosphere	Lviv Center of Institute of Space Research; Lviv	Soroka Silvestr	\$120 000							US:1 Canada:1 EU:2
1705	Multifunctional Associative Memory of Large Volume, Response, Reliability on the Basis of Simulated Neural Networks	State Scientific and Research Institute of Information Infrastructure; Lviv	Hrytsyk Volodymyr V.	\$160 339							US:1 Canada:1 EU:2
1717	Creation of Information System and Multimedia Catalogue "Ukrainian Icon XIII-XVIII c."	State Scientific and Research Institute of Information Infrastructure; Lviv	Stekh Stefania	\$69 738							US:1 Canada:1 EU:2
1744	Enlargement of Three Dimensional Holographic Memory Capacity	Kharkiv Military University; Kharkiv	Kupchenko Leonid F.	\$95 200							US:1 Canada:1 EU:2
1748	Development of the Superlight Aircraft of New Generation	"Kharkiv Aviation Institute" State Space University; Kharkiv	Neshmonin Petro	\$130 315							US:1 Canada:1 EU:2
1767	Development of Radio Devices for Monitoring of Parameters of Physical Environments, Functional Materials and Coatings	Usikovs Institute of Radiophysics and Electronics; Kharkiv	Maystrenko Yurii	\$94 380							US:1 Canada:1 EU:2
1768	Radioactive Enhancement of Treatment by platinum cytostatics	"Kharkiv Institute of Physics and Technology" National Scientific Center; Kharkiv	Dikiy Mykola	\$80 000							US:1 Canada:1 EU:2

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1789	Alloyed Diamond-Like Carbon Films - New Material for Optics and Electronics	"Institute for Single Crystals" Scientific and Technological Concern; Kharkiv	Semenov A.V.	\$88 051							US:1 Canada:1 EU:2
1793	Development of Single Crystal Growth Technology and Exploration of Properties of Antiferromagnetic Garnets for Optical and Magneto-Optical Recording	"Institute for Single Crystals" Scientific and Technological Concern; Kharkiv	Kosmyna Myron	\$110 000							US:2 Canada:2 EU:2
1796	Neutron Source for Boron-Neutron-Capture Therapy (BNCT)	"Kharkiv Institute of Physics and Technology" National Scientific Center; Kharkiv	Sanin Vasyli' M.	\$99 714							US:2 Canada:2 EU:2
1797	Complex for Radio Nuclide Production on the Basis of Ion Linear Accelerator	"Kharkiv Institute of Physics and Technology" National Scientific Center; Kharkiv	Bomko Vasyli	\$99 714			€87 000		€ 87000		US:2 Canada:2 EU:5
1798	Fluoride Single Crystals for Electronics and Medicine	"Institute for Single Crystals" Scientific and Technological Concern; Kharkiv	Blank Abram	\$151 300							US:2 Canada:2 EU:2
1823	Development and Experimental Researches of Non-Destructive Methods of Predictive Diagnosing of Products of Electronics	"Mykroprylad" Public Enterprise Scientific and Research Institute; Kyiv	Soldatenko Leonid M.	\$152 300							US:2 Canada:2 EU:2
1835	Technology of Self-Adjustment Chemical-Mechanical Polishing for Surface Planarization with Refractory Materials	Bakul Institute for Superhard Materials; Kyiv	Stachniv Mykola	\$108 000							US:1 Canada:1 EU:2
1837	New Corrosion-Resistant and Wear-Resistant Coating for Oil and Gas Industry Equipment	Frantsevich Institute for Problems of Materials Science; Kyiv	Slys I.	\$120 000							US:2 Canada:2 EU:2
1847	Structure and Properties of Eutectically Reinforced Materials Based on Titanium Intermetallics and Silicides	Frantsevich Institute for Problems of Materials Science; Kyiv	Firstov Sergii O.	\$120 000	\$105 000	\$15 000			\$120 000	\$ 120000	US:5 Canada:5 EU:2
1861	The Influence of Stochastic Electromagnetic Radiation on Substances	"Kharkiv Institute of Physics and Technology" National Scientific Center; Kharkiv	Bez'yazychnyj Ivan A.	\$156 960							US:1 Canada:1 EU:2
1863	Research into the Interaction Between Energetically Saturated Plasma and High-Frequency Antenna Interface to Enhance the Efficiency of Plasma Heating in Magnetic Fusion Devices and to Improve High-Frequency Vacuum-Plasma Technology Systems	Kharkiv State University; Kharkiv	Girka Igor	\$193 710							US:2 Canada:2 EU:2
1886	Multifunctional Vacuumed Microwave Technology Apparatus	Kharkiv State University; Kharkiv	Popov Victor S.	\$94 000							US:2 Canada:2 EU:2
1888	Investigation of Mechanisms for Dust Production and Transportation in Radiation Fields at Chornobyl	"Kharkiv Institute of Physics and Technology" National Scientific Center; Kharkiv	Mel'nyk Yurii P.	\$84 810							US:1 Canada:1 EU:2

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1889	Detection System for a Positron-Emission Tomograph Based on Silicon Pad Sensors	"Kharkiv Institute of Physics and Technology" National Scientific Center; Kharkiv	MASLOV Mykola	\$106 000							US:2 Canada:2 EU:2
1893	Scientific Basics of High Efficient Silicon Hetero Photo Cells Creation with Amorphous Crystalline Multi-Interface Structures for Solar Power	"Kharkiv Institute of Physics and Technology" National Scientific Center; Kharkiv	Ayzatskii Mykola I.	\$126 885	\$126 885				\$126 885	\$ 126885	US:5 Canada:2 EU:2
1901	Study of the Mechanism of Precipitation of Electrons and Protons from the Earth's Inner Radiation Belt	Kharkiv State University; Kharkiv	Shmatko Yevgen S.	\$141 000							US:1 Canada:1 EU:2
1905	Combined Scintillation Detectors of Gamma Rays and Neutrons, and Dosimeters Based on Them	"Institute for Single Crystals" Scientific and Technological Concern; Kharkiv	Sysoeva Olena P.	\$147 720	\$132 720	\$15 000			\$147 720	\$ 147720	US:5 Canada:5 EU:2
1911	Pyroelectric generator of X-rays	"Kharkiv Institute of Physics and Technology" National Scientific Center; Kharkiv	Shchagin Olexander	\$96 760	\$96 760				\$96 760	\$ 96760	US:5 Canada:2 EU:2
1915	Methodology for Pre-Reactor Testing of Structural Materials for Molten-Salt Nuclear Transmutation Facilities Using Simulating Irradiation by Electronics	"Kharkiv Institute of Physics and Technology" National Scientific Center; Kharkiv	Reznichenko Eduard A.	\$140 000							US:2 Canada:2 EU:2
1925	Portable Spectrometer of Electronic-Spin-Resonance for Medical and Biological Investigations	Usikovs Institute of Radiophysics and Electronics; Kharkiv	Yeremka Victor	\$114 345							US:1 Canada:1 EU:2
1926	Small-Size ESR-Spectrometer for Medical Investigations and Diagnostics	Usikovs Institute of Radiophysics and Electronics; Kharkiv	Yeremka Victor D.	\$109 868							US:1 Canada:1 EU:2
1938	Self-Organization of Coherent Structures of Anomalous Transport in Electromagnetic Media	"Kharkiv Institute of Physics and Technology" National Scientific Center; Kharkiv	Vodyanytskii Olexander A.	\$92 933							US:1 Canada:1 EU:2
1942	Klystron with Secondary-Emission Metallic Cathodes for Medical Electron Accelerators	"Kharkiv Institute of Physics and Technology" National Scientific Center; Kharkiv	Zakutin Valerii V.	\$187 000							US:1 Canada:1 EU:2
1948	Police Radar with Low Probability of Detection for Traffic Safety	Usikovs Institute of Radiophysics and Electronics; Kharkiv	Lukin Kostiantyn A.	\$149 820							US:2 Canada:2 EU:2
1954	Microwave Method and Instrumentation for Precise Monitoring of Chornobyl's Sarcophagus	Usikovs Institute of Radiophysics and Electronics; Kharkiv	Lukin Konstantin O.	\$198 000	\$99 000		€86 000		\$99 000	\$ 99000 € 86000	US:5 Canada:2 EU:5
1957	Investigation of Trichel Pulses in Non-Equilibrium Plasma under Atmospheric Pressure for Plasmo-Chemical Reactor Optimization	"Kharkiv Institute of Physics and Technology" National Scientific Center; Kharkiv	Buts Olexander V.	\$70 000							US:2 Canada:2 EU:2

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1962	Adjusting Influence of laser Radiation on Biological Properties	Kharkiv State University; Kharkiv	Svich V.	\$120 000							US:2 Canada:2 EU:2
1968	High-Current Electron Gun with Secondary Emission	"Kharkiv Institute of Physics and Technology" National Scientific Center; Kharkiv	Cherenshchykov Sergii O.	\$73 900	\$63 900	\$10 000			\$73 900	\$ 73900	US:5 Canada:5 EU:2
1974	Computer-Aided Multi-Factor Analysis of Bio-Electrical Parameters of the Brain	National Technical University of Ukraine "Kyiv Polytechnical Institute"; Kyiv	Zhuikov Valery	\$161 083							US:1 Canada:1 EU:2
1975	The Conditions of Tungsten Substitution in Cast Hard Alloys by Transition Metals of IV-VI Groups	Frantsevich Institute for Problems of Materials Science; Kyiv	Velikanova Tamara	\$57 300							US:1 Canada:1 EU:2
2007	Development of a Computerized Complex and Technology for Automated Thermal Straightening of Welded Sheet Structures	Paton Electric Welding Institute; Kyiv	Lobanov Leonid	\$180 000							US:1 Canada:1 EU:2
2011	Development of the Physico-Chemical Basis for Refining, Obtaining and Investigation of the Properties of High Purity Nb and V for Application in New Industrial Fields	"Kharkiv Institute of Physics and Technology" National Scientific Center; Kharkiv	Lavrynenko Sergiy	\$160 281							US:1 Canada:1 EU:2
2013	The Elaboration of the Theoretical Foundations for Distance Monitoring of Natural Environment Based on the Geo Information Modeling	Kharkiv State University; Kharkiv	Suchov Volodymyr M.	\$115 500							US:2 Canada:2 EU:2
2023	Non-Submersible Water Pump for Deep Wells	"Pivdenne" State Design Bureau; Dnipropetrovsk	Buntchuk Yuriy	\$160 000							US:2 Canada:2 EU:2
2039	Development and Investigation of High-Stable He-Ne Laser Modules for Prediction Controlling and Measuring Systems	"Arsenal" Central Design Office; Kyiv	Klochko Olexandr I.	\$159 716							US:2 Canada:2 EU:2
2043	Development of the Electro-Refining of Platinum-Containing Secondary Raw Materials and Plating from Molten Electrolytes	Vernadskii Institute of General and Inorganic Chemistry; Kyiv	Tumanova Nelly	\$174 000							US:1 Canada:1 EU:2
2045	Nonocomposite Conducting Polymers and Electrolytes for Lithium and Zink-air Batteries	Pisarzhevsky Institute of Physical Chemistry; Kyiv	Pokhodenko Vitaly	\$168 000	\$84 000		€73 000		\$84 000	\$ 84000 € 73000	US:5 Canada:2 EU:5
2053	Research and Development Methods for Preventing Ultra-Fine Radioactive Dust Formation in Handling Nuclear Materials	Kharkiv State University; Kharkiv	Vasylyev Victor	\$154 363							US:1 Canada:1 EU:2
2063	Investigation and Development of an Acoustic Method for More Efficient Oil, Gas Condensate and Water Extraction	Kharkiv State University; Kharkiv	Pelikhaty Mykola	\$152 992							US:1 Canada:1 EU:2
2064	Development of the Methods for Forest Fire Prediction, Detection and Monitoring Based on Information from Aerospace Radiophysical Remote Sensing Facilities	Usikovs Institute of Radiophysics and Electronics; Kharkiv	Komyak Volodymyr	\$185 554							US:2 Canada:2 EU:2

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2065	Development and Fabrication of the Georadar Navigation System	Usikovs Institute of Radiophysics and Electronics; Kharkiv	Masalov Sergii	\$102 434							US:2 Canada:2 EU:2
2071	Definition of Physical Parameters of Bio-Tissues at Ultrasonic Inspection of Mammary Gland with the Purpose of Expansion of Diagnostic Opportunities	"Scientific Research Institute of Radio Engineering Measurements" Joint Stock Company; Kharkiv	Leontyev Volodymyr	\$140 000	\$125 000	\$15 000			\$140 000	\$ 140000	US:5 Canada:5 EU:2
2079	Holographic Materials for Neutron and Optical Spectroscopy	Kyiv Taras Shevchenko University; Kyiv	Obukhovskii Vyacheslav	\$65 200							US:1 Canada:1 EU:2
2081	Thin Film 3-D Formation and Development of Devices and Technology for Creation of Functional Elements of Multi-Sectional Structure	Kharkiv State University; Kharkiv	Bobkov Valentyn	\$165 948							US:2 Canada:2 EU:2
2083	Mechanisms of the Ionization Increasing in Plasma Sources of Low Pressure	Kharkiv State University; Kharkiv	Azarenkov Mykola O.	\$83 050							US:1 Canada:1 EU:2
2088	Investigation of the Physical Properties of Water Electrolyte Systems and Creation of Under Satellite System for Control of Natural Media	Kharkiv State University; Kharkiv	Asheko Anatoliy	\$224 700							US:2 Canada:2 EU:2
2092	Development, Exploration and Implementation of a Device for Vacuum Tool Coating by a Melted Substance	Kharkiv Science and Research Institute of Machine-Building Technology; Kharkiv	Movshovych Isac Ya.	\$82 100							US:2 Canada:2 EU:2
2104	Development of the Theoretical Background for Thermal Defractometry and Tomography and Their Use for Diagnostics of Nuclear Power Plant Equipment	Kharkiv State Technical University of Radioelectronics; Kharkiv	Storozhenko Volodymyr A.	\$198 400							US:2 Canada:2 EU:2
2123	Electromagnetic Interaction Between the Lightest Nuclei and Hadrons	Kharkiv State University; Kharkiv	Trubnikov Sergiy	\$109 450							US:2 Canada:2 EU:2
2127	New Methods of Early Diagnostics of Pathologic Damages in Biological Objects and the Skin Using Circularly Polarized SHF Electromagnetic Wave (Using the Sadovsky Effect)	Kharkiv State University; Kharkiv	Azarenkov Mykola O.	\$159 599							US:1 Canada:1 EU:2
2128	Harmonic GaAs-Oscillators for the Short Wave Edge of mm-Wave Range	Kharkiv State University; Kharkiv	Prokhorov E.D.	\$77 000							US:2 Canada:2 EU:2
2129	Research and Development of Microhydroelectric Station Units for Low Head and Velocity	"Kharkiv Institute of Physics and Technology" National Scientific Center; Kharkiv	Kovalevsky Mykhailo	\$108 000	\$108 000				\$108 000	\$ 108000	US:5 Canada:2 EU:2

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2138	All-Weather Condition Detector of Motion Based on Millimeter Wave Coherent Radar for Industrial Security	Usikovs Institute of Radiophysics and Electronics; Kharkiv	Masalov Sergiy	\$125 235	\$125 235				\$125 235	\$ 125235	US:5 Canada:2 EU:2
2142	Research of a Possibility of Hydrocarbon Vapor Detection in an Air with the Help of HCN Laser	Usikovs Institute of Radiophysics and Electronics; Kharkiv	Kuleshov Yevgen	\$139 000							US:1 Canada:1 EU:2
2145	Elaboration of the New Methods of the Treatment and Prevention of Traumatological Damages and Orthopedic Diseases Using Ozonizer on the Base of High-Pressure Glow Discharge	Sitenko Kharkiv Scientific and Research Institute of Orthopedics and Traumatology; Kharkiv	Radchenko Volodymyr O.	\$95 000							US:2 Canada:2 EU:2
2146	Methods for Desinfection of Poultry Farming Forage and Production by Ozone-Enriched Air	Institute of Experimental and Clinical Veterinary Medicine; Kharkiv	Malinin Oleg O.	\$97 500							US:2 Canada:2 EU:2
2156	Magneto Induction Effect of Extensive Air Showers as a New Detection Method	Kharkiv State University; Kharkiv	Shmatko Yevgen S.	\$94 000							US:2 Canada:2 EU:2
2157	Development of Experimental Equipment for Dehydration of Colloidal Mixtures by Means of Their Artificial Freezing and Subsequent Defrosting	"Kharkiv Aviation Institute" State Space University; Kharkiv	Petukhov Ilia I.	\$94 000							US:1 Canada:1 EU:2
2174	Production of Casting Out of Deformable Aluminum Alloys under Electromagnetic Pressure with Non-Solidifying Gating System	Physico-Technological Institute of Metals and Alloys; Kyiv	Dubodelov Victor	\$121 000							US:1 Canada:1 EU:2
2206	Enhancing Serviceability of Welded Joints of Dissimilar Metals by Optimizing Their Design and Technological Parameters	Institute for Problems of Strength; Kyiv	Lebedev Anatolii A.	\$110 000							US:1 Canada:1 EU:2
2207	Development of Physical-Chemical and Thermal-Physics Base for Production of Bimetallic/Multilayer Castings of High Durability	Physico-Technological Institute of Metals and Alloys; Kyiv	Kostenko Georgii	\$151 176							US:1 Canada:1 EU:2
2219	System for Personal Identification by Voice and Sound Recording	Kyiv Scientific Research Institute of Forensic Examinations; Kyiv	Novoselskyy Olexander	\$99 530							US:1 Canada:1 EU:2
2224	Synthesis of the Surface Layer of Superhard Powder Material to Produce Ceramics and Composite Materials	"Arvina" Scientific and Production Center; Kyiv	Vesna Valery	\$195 000							US:1 Canada:1 EU:2
2238	Oxygen stress: The mechanisms of antioxidant and radioprotector effects	Institute of Bioorganic Chemistry and Petrochemistry, Ukraine NAS;		\$93 860	\$80 000	\$10 000			\$90 000	\$ 90000	US:5 Canada:5 EU:2
2239	Sound Amplification by Stimulated Emission of Radiation in liquid crystal systems	Institute of Physics; Kyiv	Lev Bogdan	\$93 860							US:2 Canada:2 EU:2

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2242	New Methods and Tools of Image Processing for Telemedicine Technologies	"Intermag" Science and Production Firm; Kyiv	Novoselets Mykhailo	\$177 600							US:1 Canada:1 EU:2
2251	Quasi-Continuous Monitoring of Leakage in Steam Generators at NPPs	"ATOMICS" Ltd; Kyiv	Pshenychnyj Volodymyr	\$150 000							US:2 Canada:2 EU:2
2253	Information Technology and System for Preservation of Cultural Possessions of Ukraine	State Scientific and Research Institute of Information Infrastructure; Lviv	Optiak Yu.V.	\$76 149							US:1 Canada:1 EU:2
2255	Information System of Recreation Resources and Technologies "Carpathian Healthy Springs"	State Scientific and Research Institute of Information Infrastructure; Lviv	Stekh Stefania	\$76 137							US:2 Canada:2 EU:2
2259	Nonlinear Generation of Second Harmonics of Laser Irradiation Using Passive Resonator	"Lvivska Polytechnica" State University; Lviv	Bobitskii Yaroslav V.	\$159 729							US:1 Canada:1 EU:2
2261	Powerful RF Amplifier Based on the Cold Cathode Tubes	"Kharkiv Institute of Physics and Technology" National Scientific Center; Kharkiv	Cherenshchykov Sergii O.	\$119 427							US:2 Canada:2 EU:2
2264	Development of the Basis Elements and Principles of Construction of Radars for the Guaranteed Increase of a Safety Level of Automobile Traffic in Complicated Conditions	Usikovs Institute of Radiophysics and Electronics; Kharkiv	Lutsenko Vladyslav I.	\$84 000							US:2 Canada:2 EU:2
2273	Effect of Low Radiation Doses on Live Cell Properties	"Kharkiv Institute of Physics and Technology" National Scientific Center; Kharkiv	Khyzhniak Mykola A.	\$180 000							US:1 Canada:1 EU:2
2275	Development of Methods of Optimal Filtering the Reflected Signal when Sounding of the Underground Structure of the Soil	Usikovs Institute of Radiophysics and Electronics; Kharkiv	Kornienko Yurii V.	\$98 445							US:1 Canada:1 EU:2
2280	Epiphysis-Gonad System Reactivity to Electromagnetic Field Effects	Ukrainian Pharmacotherapy of Endocrine Diseases Research Institute; Kharkiv	Gladkova Alla I.	\$168 522							US:1 Canada:1 EU:2
2282	VHF Radiating Systems and Devices of Arbitrary and Directed Polarizations for Radioelectronic Systems	Kharkiv State University; Kharkiv	Shmat'ko Olexander	\$98 076							US:2 Canada:2 EU:2
2294	Method of Analysis In Vitro of Molecular Mechanisms of Action of Drugs for Their Designing, Selection of Doses and Combinations	Problem Scientific and Research Laboratory of Molecular Mechanisms; Kharkiv	Konev Fedir A.	\$154 374							US:1 Canada:1 EU:2
2295	Apparatus and Technique for the Early Diagnostics, Therapy, and Preventive Maintenance of Cardiovascular Diseases	Problem Scientific and Research Laboratory of Molecular Mechanisms; Kharkiv	Kovaleva Olga	\$152 405							US:1 Canada:1 EU:2
2296	Creation of the Equipment Complex for the Analysis of Hydration Parameters of Bioobjects and Their Water Component	Usikovs Institute of Radiophysics and Electronics; Kharkiv	Schegoleva T.	\$102 174							US:1 Canada:1 EU:2

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2298	Express-Testing System for Cereal Culture Maturity in the Harvest Period for Ukraine Farms	Problem Scientific and Research Laboratory of Molecular Mechanisms; Kharkiv	Kolesnikov Volodymyr G.	\$135 872							US:1 Canada:1 EU:2
2300	Origin, Preparation and Diagnostic Capacity of Natural Pulse Electromagnetic Radiation from the Earth Interior as a Precursor and an Indicator of Geodynamic Processes	Usikovs Institute of Radiophysics and Electronics; Kharkiv	Uvarov Volodymyr M.	\$142 380							US:1 Canada:1 EU:2
2305	Investigation of Ways for Creation of Low-Voltage Sources of Electromagnetic Radiation Based on Free Electron Beams	Usikovs Institute of Radiophysics and Electronics; Kharkiv	Yefimov Borys P.	\$79 900							US:2 Canada:2 EU:2
2320	Microwave-Band Methods for Ecologically Safe Biotechnology	Kharkiv State University; Kharkiv	Pereverzeva Valentyna F.	\$115 159							US:2 Canada:2 EU:2
2321	New Technologies for Strengthening of Metal Parts Based on High-Energy Magnetic - Impulse Processing	Kharkiv State Polytechnical University; Kharkiv	Khimenko Lev	\$127 540							US:2 Canada:2 EU:2
2322	New Type of Foil and Coating Composite for Cryogenic Technique	Kharkiv State Polytechnical University; Kharkiv	Ilinskii Olexander I.	\$164 335							US:2 Canada:2 EU:2
2329	Control Over Field of Tempers in Big-Volume Structures	"Pivdenne" State Design Bureau; Dnipropetrovsk	Pakhomov Sergii M.	\$90 672							US:1 Canada:1 EU:2
2330	Processing of Ferrous Metal Ore and Control of the Product Properties	"Pivdenne" State Design Bureau; Dnipropetrovsk	Tcherykov Volodymyr	\$106 260							US:2 Canada:2 EU:2
2333	Simulation of Temperature Conditions in Highly Thermo-Loaded FIN-WALL Systems	"Kyiv Institute of Automation" Scientific and Production Corporation; Kyiv	Marinenko Volodymyr	\$131 000							US:2 Canada:2 EU:2
2337	A Mobile System of Electromagnetic Phase Location for Oil and Gas Pipelines	Glushkov Institute of Cybernetics; Kyiv	Bekh Olexander	\$109 200							US:1 Canada:1 EU:2
2343	Intratonic Correlations, Electronic Structure and Structural Phase Transformations in Alloys Exposed to Radiation	Kyiv Taras Shevchenko University; Kyiv	Kulish Mykola	\$191 750							US:1 Canada:1 EU:2
2352	Working Out of the Lubrication Material Obtaining Technology of New Generation on the Base of Polytetrafluorethylene	"Southern Machine-Building Plant" Production Association; Dnipropetrovsk	Ranskii Anatolii P.	\$78 469							US:1 Canada:1 EU:2
2358	Special Plastic Lubricants Production Technology Elaboration	Ukrainian State Chemical and Technological University; Dnipropetrovsk	Ransky Anatolii	\$64 101							US:2 Canada:2 EU:2
2359	Elaboration of Composition Materials Based on Aromatic Polyamide Phenilon for Tribotechnical Applications	Ukrainian State Chemical and Technological University; Dnipropetrovsk	Sytar Volodymyr I.	\$92 080							US:2 Canada:2 EU:2

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2368	Synergetic Factors Interaction in Technological Process with Phase Transformations	National Technical University of Ukraine "Kyiv Polytechnical Institute"; Kyiv	Zavorotnyi Victor	\$61 080							US:2 Canada:2 EU:2
2373	Development of Production Process of Articulated Square Trusses from a Composite Material	East Ukrainian State University; Lugansk	Rach Valentyn	\$51 645							US:1 Canada:1 EU:2
2375	Development and Fabrication of Experimental Samples of Thermo-Visual Devices on the Base of Pyroelectric Materials	Institute of Physics; Kyiv	Bundza Bogdan	\$196 055							US:1 Canada:1 EU:2
2376	Research of Extra-Low Frequency Perturbations of Atmospheric Pressure for Diagnostics and Correction of Meteorological Dependency	Kyiv Taras Shevchenko University; Kyiv	Gorgo Yuri P.	\$138 690							US:1 Canada:1 EU:2
2391	Improvement of Monitoring Radioactive Nuclides Resulted from Radiation Accident	Chornobyl Center on Nuclear Safety, Radioactive Waste and Radioecology; Kyiv	Ogorodnyk Stanislav S.	\$127 500							US:2 Canada:2 EU:2
2392	Improvement of Technologies for the Equipment, Facilities and Territory Decontamination	Chornobyl Center on Nuclear Safety, Radioactive Waste and Radioecology; Kyiv	Ogorodnyk Stanislav S.	\$97 800							US:2 Canada:2 EU:2
2393	Improvement of the Remote Technology for the Investigation of Dangerous Sites	Chornobyl Center on Nuclear Safety, Radioactive Waste and Radioecology; Kyiv	Ogorodnyk Stanislav S.	\$91 700							US:2 Canada:2 EU:2
2394	Improvement of Informational Monitoring of Key Events in Ukraine's Nuclear Industry	Chornobyl Center on Nuclear Safety, Radioactive Waste and Radioecology; Kyiv	Kurilchik Mykola	\$89 000							US:2 Canada:2 EU:2
2395	Means of Prophylaxis and Correction of the Health Impaired as a Result of Catastrophes	Chornobyl Center on Nuclear Safety, Radioactive Waste and Radioecology; Kyiv	Rudnev Mykhailo	\$98 330							US:2 Canada:2 EU:2
2411	Development of Dye-Doped Polymer Systems as the Standards for Time-Resolved Spectroscopy	Institute of Physics; Kyiv	Bondar Mykhailo	\$190 000							US:1 Canada:1 EU:2
2415	Coherent and Vortex Structures in Dynamics Systems: Simulation, Identification and Control	Scientific Foundation of Scientists and Specialists of Molecular Cybernetics and Informatics; Kyiv	Samoilenko Yuriy	\$70 000							US:2 Canada:2 EU:2
2420	Comprehensive Investigations of the Processes and Consequences of the Charged Particles Beams - Material Interactions	Kyiv Taras Shevchenko University; Kyiv	Dotsenko Ivan	\$150 000							US:1 Canada:1 EU:2
2424	Study of the Chemical Interaction of Helium and an Investigation of the Properties of the Derived Compounds	Frantsevich Institute for Problems of Materials Science; Kyiv	Morozova Raisa	\$126 754							US:1 Canada:1 EU:2
2434	Technology Development of Reversible High-Capacity Hydrogenation of Fullerene-Similar Materials	Frantsevich Institute for Problems of Materials Science; Kyiv	Schur Dmytro	\$166 765	\$146 765	\$20 000			\$166 765	\$ 166765	US:5 Canada:5 EU:2

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2445	Intracavity KTiOP4 electro-optic Q-switch-frequency doubler for Nd3+ -doped laser	Institute of Semiconductor Physics; Kyiv	Oryeshko Eugene	\$148 500							US:2 Canada:2 EU:2
2448	Electronic Control Systems for Plant Equipment for Heat-Carrier Production	Daughter Enterprise "Orizon-automation" of State Plant "Orizon-instrument"; Smila	Zubkov Pavlo M.	\$191 641							US:2 Canada:2 EU:2
2449	Development of Prototypes for a New Class of Transducers for Motion Measurement	"ELECTROPRYLAD" Scientific and Industrial Complex; Kyiv	Yatsko Laslo D.	\$198 000							US:2 Canada:2 EU:2
2454	Development of Methods for Synthesis and Upgrading of Colored Stones	State Scientific Center of Environmental Radiogeochimistry; Kyiv	Komov Igor	\$197 205							US:1 Canada:1 EU:2
2478	Electronic Weight Measuring Equipment	Daughter Enterprise "Orizon-automation" of State Plant "Orizon-instrument"; Smila	Kohanenko Volodymyr	\$221 475							US:1 Canada:1 EU:2
2479	Long Life Power Supply System for Space Applications	"Hartron" Research and Production Association, Joint Stock Company, Kharkiv State Technical University of Radio Electronics; Zaporizhia	Bobkov Valentyn	\$145 000							US:1 Canada:1 EU:2
2484	Study of Regularities and Development of Technologies of Gold and Silver Recovery from Gold-Containing Ores	"Pridneprovsky Hydrometallurgical Plant" State Enterprise; Dnipropetrovsk	Korovin Yuriy	\$153 445							US:1 Canada:1 EU:2
2487	Complex Treatment of Metallurgical Wastes with Scandium Removal	State Scientific Research and Development Institute of Titanium; Zaporizhia	Komarov Olexij	\$125 860			€109 000			€ 109000	US:2 Canada:2 EU:5
2489	The Two-Nozzle Injection for the Water Cooling Towers of the Splashing Type	"Dnepropetrovsk plant Temp" Joint Stock Company; Dnipropetrovsk	Gavrish Felix	\$148 600							US:1 Canada:1 EU:2
2517	Development of Voice-Control Plasma Surgical Apparatus	"Pivdenne" State Design Bureau; Dnipropetrovsk	Dranovsky Volodymyr	\$124 344							US:1 Canada:1 EU:2
2547	Instrument for Controlling the Quality of Non-Ferrous Metals and Separation of Their Alloys	State Scientific Research and Development Institute of Titanium; Zaporizhia	Brynza Olexandr	\$57 400							US:1 Canada:1 EU:2
2557	Elaboration and Device Complex Trail for Pipe Production of Raised Quality	Novomoskovsk Pipes Plant; Novomoskovsk	Vdovin Valentyn	\$119 200							US:1 Canada:1 EU:2
2564	Production of the High Purity Aluminum Nitride and Multilevel Integrated-Circuits Substrate on Based It	"Reactivelectron" Scientific and Technologic Center; Donetsk	Policshuk Volodymyr	\$90 000							US:1 Canada:1 EU:2
2582	Pulsed Electromagnetic Field for Controlling Material Structure and Properties	Galkin Donetsk Institute for Physics and Technology; Donetsk	Datsko Oleg	\$71 729							US:1 Canada:1 EU:2

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2588	Combined Optical/Digital Security Devices with Magnetic and Luminescent Marking Elements	Kyiv Taras Shevchenko University; Kyiv	Girnyk Volodymyr	\$128 110							US:2 Canada:2 EU:2
2593	A Remote Control System for Checking Through Holes and/or Wells the State of Radiation Hazard Premises within the Object "Shelter"	Special Design Bureau of Television Systems; Lviv	Voytovych Volodymyr	\$76 340	\$76 340				\$76 340	\$ 76340	US:5 Canada:2 EU:2
2594	A Remote Control System for Checking the State of Exhausted Heat Releasing Rods (HRR) Before Their Burial	Special Design Bureau of Television Systems; Lviv	Basyuk Mykola	\$92 455							US:1 Canada:1 EU:2
2597	Reduction of Military Engineering: Use for Civil Purposes of Heavy Mechanized Bridges	"UkrNDIproektstalkonstruktisiya", Ukrainian Research and Design Institute of the steel constructions, Joint Stock Company; Kyiv	Gordeyev Vadym M.	\$92 620							US:1 Canada:1 EU:1
2599	Pilot Solar Heating System with Discrete Orientation	"Ukrgelioprom" Scientific and Production Enterprise; Kyiv	Smirnov S.	\$53 680							US:2 Canada:2 EU:2
2603	The Development of New Magnetic Perovskite-Like Semiconductors with Huge Magnetoresistance for Highly-Sensitive Magnetoresistive Elements on Their Basis	Frantsevich Institute for Problems of Materials Science; Kyiv	Lashkarev Georgiy	\$156 036							US:2 Canada:2 EU:2
2610	Analysis of Factors Causing Orbital Debris and Development of Proposals on Its Minimization or Formation Prevention	"Pivdenne" State Design Bureau; Dnipropetrovsk	Lompaniets Eduard P.	\$80 017							US:2 Canada:2 EU:1
2620	Elaboration and Study of Techniques for Improvement of Photorefractive Properties of CdTe and Solid Solutions on Its Basis	Institute of Physics; Kyiv	Borshch Anatoli	\$160 000							US:2 Canada:2 EU:2
2624	Investigations of Basic Compressibility Effects in Sub-, Trans-, Supersonic Flows in Water Free Surfaces	Institute of Hydromechanics; Kyiv	Selezov Igor	\$34 000							US:1 Canada:1 EU:2
2625	Development of a Metal-Fueled Electric Power Plant	National Technical University of Ukraine "Kyiv Polytechnical Institute"; Kyiv	Murashov Olexander	\$99 600							US:1 Canada:1 EU:2
2626	Diffractiontopography	Kurdyumov Institute for Metal Physics; Kyiv	Molodkin Vadym	\$178 600							US:1 Canada:1 EU:2
2627	Monograph "Statistical Theory of Radiation Scattering by Crystals with Defects"	Kurdyumov Institute for Metal Physics; Kyiv	Molodkin Vadym B.	\$49 500							US:1 Canada:1 EU:2
2630 (R)	Ecological and Chemical Studies for Monitoring Military Installations for Dismantlement	National University of "Kyiv-Mohyla Academy"; Kyiv	Bryk Mykhailo	\$175 245							US:1 Canada:1 EU:2

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2639	Development of new compositions of shape-memory alloys for medical applications	Paton Electric Welding Institute; Kyiv	Kaleko Davyd	\$193 526							US:1 Canada:1 EU:2
2640	Mass Spectrometry In Agrobiology	Institute for Applied Physics; Sumy	Shkurdoda Valery	\$100 000							US:2 Canada:2 EU:2
2646	Simulation of Wave, Diffraction and Vibration Processes in Hydroelastic Systems with Inhomogeneities	Timoshenko Institute of Mechanics; Kyiv	Kubenko Veniamin	\$65 890							US:2 Canada:2 EU:2
2652	Synthesis of New Materials with an Abnormally Large Change in Electric Resistance and Creation Elements on Their Basis for Energy-Saving and Environment-Improving Devices	Institute of Magnetism; Kyiv	Pogorilyi Anatoliy	\$207 915							US:2 Canada:2 EU:2
2653	Development of the High-Efficiency Ungeared Electric Drive for Elevators and Transport Vehicles Using Spraying of Composite Layers	"Quant" Pilot Plant, Paton Electric Welding Institute; Kyiv	Steklov Vasyi	\$168 525							US:2 Canada:2 EU:2
2656	Energy-Conservation Technology for Underwater Preservation of Stores	Sevastopol Naval College; Sevastopol	Baranov Olexander M.	\$82 620							US:1 Canada:1 EU:2
2658	Magneto-Optical Transformers	Simferopol State University; Simferopol	Dubinko Sergii V.	\$120 000							US:1 Canada:1 EU:2
2659	Magnetic X-Ray Crystallography of Heavy Rare-Earth Metals, Development and Fabrication of Magnetic Concentrators on Their Base	"Kharkiv Institute of Physics and Technology" National Scientific Center; Kharkiv	Bulatov Olexander S.	\$73 700							US:2 Canada:2 EU:2
2665	New Generation Aerodynamic Marine Vehicle	Institute of Hydromechanics; Kyiv	Korolov Volodymyr	\$65 340							US:2 Canada:2 EU:2
2671	Space Radar System for Continuous Surveillance of the Earth's Surface	Kalmykov Center for Radiophysical Sensing of Earth; Kharkiv	Kurekhin Olexander S.	\$112 700							US:1 Canada:1 EU:2
2682	Ukrainian Ozone Monitoring Network	Institute of Physics; Kyiv	Baschenko Sergiy	\$139 954							US:1 Canada:1 EU:2
2685	Creation of a New Orientation Technology of Details in Flat Section and the Examples of the Devices that Realize It on the Specific Parts	"Relaks" Scientific and Technical Venture; Ternopil	Sidorov Yurii	\$80 080							US:1 Canada:1 EU:2
2694	Production Process to Manufacture Drill Rods with Increased Service Life	National Mining Academy of Ukraine; Dnipropetrovsk	Didyk Rostyslav	\$90 672							US:2 Canada:2 EU:2
2699	Development of Equipment for the Control of Dolphin Health	Institute for Applied Problems in Physics and Biophysics; Kyiv	Misjura Anatoliy	\$199 890							US:2 Canada:2 EU:2

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3001	Combined Methods of Filtered Plasma Stream Formation for Cathodic-Arc Coating Deposition Processing.	National Science Center "Kharkov Institute of Physics and Technology", Kharkiv	Khoroshykh Volodymyr	\$67 895							US:1 Canada:1 EU:2
3003	Creation of an ultrasonic cerebral Doppler angiograph having a three dimensional image reconstruction (USCDA) (793 continuation).	The Joint-Stock Company Scientific Research Institute of Radio Engineering Measurements; Kharkiv	Marusenko Anatoliy	\$135 795							US:2 Canada:2 EU:2
3006	The Hypoxotron, New Clinical Device, For Intermittent Hypoxia	Bogomoletz Institute of Physiology; Kiev	Serebrovskaya Tatiana	\$164 000							US:2 Canada:2 EU:2
3007	Monitoring of ecological-epidemiological situation with respect of dangerous water-borne diseases in Ukraine	Lev Gromashevsky Research Institute of Epidemiology and Infectious Diseases; Kiev	Parkhomenko Larysa	\$197 974							US:1 Canada:1 EU:2
3008	Waveguide erbium mini laser on a new crystal active medium	O.Galkin Donetsk Physics & Technology Institute; Donetsk	Nikolaev Evgenii	\$112 000							US:2 Canada:2 EU:2
3011	Gas Analysis Device for Hydrogen Measuring in Air	Taras Shevchenko Kyiv University; Kyiv	Maksymovych Nelli	\$159 998							US:1 Canada:1 EU:2
<b>3015</b>	Development of the Piezoelectric Micromanipulator for IVF-Technologies	"Lileya" Small Scientific Production Enterprise; Kyiv	Petrenko Serhiy	<b>\$133 754</b>	<b>\$133 754</b>				<b>\$133 754</b>	<b>\$ 133754</b>	US:5 Canada:2 EU:2
3016	Development of new composite materials on the basis of natural silica-alumina and utilized polymeric materials	Basalt Fiber Research Laboratory at the Institute for Problems of Materials; Kiev	Gorbachov Grigoriy	\$165 000	<b>\$165 000</b>				<b>\$165 000</b>	<b>\$ 165000</b>	US:5 Canada:2 EU:2
3017	The development of synthetic approaches to novel types of azole and azine derivatives, potential bioregulators	Institute of Bioorganic Chemistry and Petrochemistry; Kyiv	Drach Boris	\$147 000							US:2 Canada:2 EU:2
3019	Real-time agrotechnological monitoring and control system for managing plant pests, providing nutrients and protecting crops	Hartron-Plant Science and Production Enterprise; Kharkiv	Makarov Volodymyr	\$181 150							US:1 Canada:1 EU:2
3023	Composites in-situ on the basis of ternary carbides - nanolaminates - manufacturing, properties, usage.	Francevich Institute for Problems of Materials Science Ukrainian National Academy of Sciences; Kyiv	Pechkovsky Engels	\$65 660							US:1 Canada:1 EU:2
<b>3025</b>	Scientific base for testing, modeling and use of composite materials with increased resistance to impact	Institute for Problems of Strength National Academy of Sciences; Kiev	Stepanov Gennadiy	\$122 625							US:1 Canada:1 EU:2
3026	Wear-resistant steel with good corrosive properties	Institute for Metal Physics; Kiev	Gavriljuk Valentin	\$86 400	<b>\$38 000</b>	<b>\$10 000</b>	<b>€33 000</b>		<b>\$48 000</b>	<b>\$ 48000</b> <b>€ 33000</b>	US:5 Canada:5 EU:5

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3028	DEVELOPMENT OF NATURAL POLYFUNCTIONAL PLANT GROWTH BIOSTIMULATORS WITH BIOPROTECTIVE EFFECTS FOR THE ECOLOGICAL AGRICULTURE	Interdepartmental Scientific-Technological Centre "Agrobiotech"; Kyiv	Ponomarenko Sergiy	\$180 000							US:1 Canada:1 EU:2
3031	DEVELOPMENT OF THE TECHNOLOGY OF BIOGAS SEPARATION AND FEED OF MOTOR-GENERATOR BY PRESSURE SWING METHOD	National Science Center "Kharkov Institute of Physics & Technology" ( NSC KIPT); Kharkiv	Khazhmuradov Manap	\$87 330							US:1 Canada:1 EU:2
3038	Ultraviolet-stable infrared-emitting polymeric fluorescent fibers for flexible solar cell arrays	Institute for Single Crystals; Kharkiv	Tolmachov Oleksandr	\$156 260	<b>\$159 680</b>				<b>\$159 680</b>	<b>\$ 159680</b>	US:5 Canada:2 EU:2
3039	Elaboration of novel method of early cancer detection and development of the commercially available immunoassay	Lev Gromashevsky Research Institute of Epidemiology and Infectious Disease; Kyiv	Parkhomenko Larysa	\$121 968							US:1 Canada:1 EU:2
3042	OPTICAL STRESS TENSOR FIELD 3D-TOMOGRAPH	Institute of Physical Optics; Lviv	Vlokh Rostyslav	\$144 000							US:1 Canada:1 EU:2
3043	NEW ANTIFRICTIONAL AND WEAR-RESISTANT COATINGS WORKING IN THE EXTREMAL CONDITIONS	Institute of Bioorganic Chemistry and Petrochemistry; Kyiv	Sheludko Evgeny	\$194 420		<b>\$20 000</b>	<b>€150 000</b>		<b>\$20 000</b>	<b>\$ 20000 € 150000</b>	US:2 Canada:5 EU:5
3044	Development of Technology for Destruction of Highly Active and Toxic Substances in Nonequilibrium Plasma	Taras Shevchenko Kyiv National University (KNU); Kyiv	Chernyak Valeriy	\$175 000							US:1 Canada:1 EU:2
3045	Developing the technological solutions for creation of devices details made of glassceramics with zero thermoexpansion coefficient	Institute of Semiconductor Physics; Kiev	Maslov Vladimir	\$190 000			<b>€165 000</b>			<b>€ 165000</b>	US:1 Canada:1 EU:5
3047	The film forming materials for interference optics of the excimer and technological IR lasers	The Bogatsky Institute for Physical Chemistry; Odesa	Eftyushina Ninel	\$200 000							US:1 Canada:1 EU:2
3051	Metrological digital manometers with especially high accuracy class 0,001.	Lviv Center of the Institute of Space Research; L'viv-53	Mytsyk Bohdan	\$96 000							US:1 Canada:1 EU:2
3053	Investigation of explosive straightening processes of high-accuracy complex shells and scientific base technology development	National Aerospace University named by N.E. Zhukovskiy "KhAI"; Kharkiv	Molodykh Sergei	\$160 000							US:1 Canada:1 EU:2
3058	Development of Risk Based Maintenance program for equipment of systems, which are important for the safety.	The National Technical University of Ukraine "Kyiv Politechnical Institute"; Kiev	Petrenko Victor	\$185 000							US:1 Canada:1 EU:2
3059	Method and apparatus for diagnosing a living tissue state	Institute of Applied Problem of Mechanics and Mathematics ; Lviv	Gafiychuk Vasyl	\$88 500							US:1 Canada:1 EU:2

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3063	Technique for Nuclear Warhead/Explosives Remote Detection	The V.M. Karazin Kharkiv National University; Kharkiv	Chorny Valentyn	\$260 000							US:1 Canada:1 EU:2
3064	X-ray diffuse scattering effects in epitaxial and ion-implanted crystal structures	G. V. Kurdyumov Institute for Metal Physics; Kyiv	Shpak Anatolii	\$199 900							US:1 Canada:1 EU:2
3066	MICROWAVE SIGNAL PROCESSOR BASED ON YTTRIUM-IRON GARNET (YIG) SAMPLES	National Taras Shevchenko University of Kyiv; Kyiv	Melkov Gennadiy	\$183 443							US:1 Canada:1 EU:2
3073	Project of Autonomous Powerplant of Combined Cycle for Obtaining Synthesis-Gas from Agricultural Wastes and Its Usage	Pivdenne State Design Bureau Named After M.K. Yangel, Dnepropetrovsk	Borisenko Stanislav	\$344 842							US:1 Canada:1 EU:2
3078	Development of new technologies for deposition of coatings having high corrosion resistance in seawater	Sumy Institute for Surface Modification; Sumy	Pogrebnyak Alexander	\$145 000							US:1 Canada:1 EU:2
3091	Chromonic Lyotropic Liquid Crystals: from molecules to crystal.	Institute of Physics; Kyiv	Nazarenko Vassili	\$69 450							US:1 Canada:1 EU:2
3103	High-dispersed compositions: the way to optimization of reproductive cell media	Institute of Surface Chemistry; Kyiv	Galagan Natalia	\$170 000							US:1 Canada:1 EU:2
<b>Subtotal Regular Ukrainian Projects Approved:</b>				\$25 279 893	\$2 000 199	\$130 000	€703 000	\$0	\$2 130 199	\$ 2130199 € 703000	
3002	Windpotential's and Grids' Research for Working out the Conception of Wind Energy Industry's Progress in Uzbekistan.	Institute of the power engineering and automatics; Tashkent	Nasirov Temurjan	\$183 520							US:1 Canada:1 EU:2
3009	Application of principle of IPNs, dynamic vulcanization and irradiation for compatibilization and reuse of polyethylene/rubber wastes.	Institute of Macromolecular Chemistry; Kyiv	Fainleib Oleksandr	\$290 000			€252 000			€ 252000	US:1 Canada:1 EU:5
3030	Investigation of polyacrylonitrile fiber modification and finishing of textile materials from its blend with cotton.	Tashkent Institute of Textile and Light industry; Tashkent	Ergashev Karim	\$73 290							US:1 Canada:1 EU:2
3086	Working out of ELISA kit for detecting of antibodies to Trepanema pallidum.	Institute of Genetics and Plant Experimental Biology; Tashkent	Azimova Shakhnoz	\$184 000							US:1 Canada:1 EU:2
3104	Development of photochemically safe two-photon excited fluorescent probes for biological objects detection and imaging	Kyiv National Taras Shevchenko University; Kyiv	Yashchuk Valeriy	\$250 000							US:1 Canada:1 EU:2
3224	Analysis of microbiological appearance and biological properties of acute diarrheal agents in different regions of Uzbekistan: Enhancement of control and surveillance	Scientific Research Institute of Epidemiology, Microbiology, and Infectious Diseases, Ministry of Health of Uzbekistan;		\$300 000	\$300 000				\$300 000	\$ 300000	US:5 Canada:2 EU:2

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<b>Uzb-34 (J)</b>	The Development of the Experimental Installation for Drying and Heat Processing of the Free-Flowing Bulk Materials in Fluidized Bed	"Pivdenne" State Design Bureau; Dnipropetrovsk/ Uzbekistan State Space Agency "Uzbekcosmos"; Tashkent	Galas M./ Muminov Kamal	<b>\$230 000</b>							US:2 Canada:2 EU:2
<b>Uzb-60</b>	The Development and Manufacturing of a Portable Small-Sized Pilot Surface-Ionization Indicator of Narcotic Substances	Arifov Institute of Electronics; Tashkent	Rasulev Utkur	<b>\$87 000</b>	<b>\$15 000</b>				<b>\$15 000</b>	<b>\$ 15000</b>	US:4 Canada:2 EU:2
<b>Uzb-61</b>	Development of Principles for Translation of Structure-Oriented Programs into Object-Oriented Ones Using Algorhythmic Methods	The institute of Cybernetics SPU "Cybernetics"; Tashkent	Nazirov Shodmankul	<b>\$95 866</b>	<b>\$95 866</b>				<b>\$95 866</b>	<b>\$ 95866</b>	US:5 Canada:2 EU:2
<b>Uzb-63</b>	Development of a Vacuum Arc Treatment for Electro- Conductive Material Surface	Institute of Electronics; Tashkent	Pozharov Sergey	<b>\$142 648</b>							US:1 Canada:1 EU:2
<b>Uzb-70</b>	Technology for Extraction of Gold and Silver from Tailigs in a Microwave Field	Institute of Nuclear Physics; Tashkent	Khidirov Irsali	<b>\$132 200</b>							US:2 Canada:2 EU:2
<b>Uzb-78 (J)</b>	Development of Methods of Increasing Safety of Impact-Resistant Glazing for High Speed Railway Vehicles	Pidgorny's Institute for Problems of Machine Building; Kharkiv/ Tashkent State Air Institute; Tashkent	Shupikov Alexander N./ Ganihanov Sharafutdin F.	<b>\$114 000</b>							US:2 Canada:2 EU:2
<b>Uzb-79 (J)</b>	Development of Methods of Increasing Safety of Impact-Resistant Cockpit Transparencies for Civil Aircraft	Pidgorny's Institute for Problems of Machine Building; Kharkiv/ Tashkent State Air Institute; Tashkent	Shupikov Alexander N./ Ganihanov Sharafutdin F.	<b>\$124 000</b>							US:2 Canada:2 EU:2
Uzb-89 (J)	ge Radionuclids and Heavy-Metal Ions Deep Purification Technology	Kharkiv Aviation Institute State Space University; Kharkiv	Ugryumov Mykhail	\$200 000							US:1 Canada:1 EU:2
<b>Uzb-91</b>	Development of Radioactive sources for the X-Ray Fluorescence Analysis and Control of Technological Processes	Institute of Nuclear Physics; Tashkent	Kim German	<b>\$229 760</b>							US:1 Canada:1 EU:2
Uzb-92 (J)	Control and Monotoring of Toxic Matalas Accumulation in Crops	Institute of Physiology; Kyiv	Tyshchenko Olena	\$73 140							US:1 Canada:1 EU:2
Uzb-93	Electromagnetic Processes in the Relativistic Highly Charged Ion-Atom Collisions	Heat Physics Department; Tashkent	Matrasulov Davron	\$50 000							US:1 Canada:1 EU:2
<b>Uzb-94 (J)</b>	Correction of Parameters of Solar and Photodiode Silicon Elements by an Influence of Static Electric and Magnetic Fields	"KVAZAR", Scientific Research Center; Kyiv/ Heat Physics Department; Tashkent	Ashcheulov Anatoly A./ Saidov Abdula A.	<b>\$195 628</b>							US:2 Canada:2 EU:2
<b>Uzb-95</b>	Investigations of Radiation-Induced Non-Stationary Absorption and Luminescence Processes in the Optical Fibers	Institute of Nuclear Physics; Tashkent	Gasanov Eldar M.	<b>\$207 100</b>	<b>\$103 550</b>		<b>€90 000</b>		<b>\$103 550</b>	<b>\$ 103550 € 90000</b>	US:5 Canada:2 EU:5

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<b>Uzb-96</b>	Search and Investigation of Modes of Superasymmetrical Fission of Actinide Atomic Nuclei	Institute of Nuclear Physics; Tashkent	Koblik Yuriy N.	\$87 740							US:1 Canada:1 EU:2
Uzb-98 (J)	Development of the Wasteless Technology and Creation of the Pilot Industrial Production of Gossypol and Lecithin From Cotton Seed Oil Cake	Pivdenne State Design Bureau; Dnipropetrovsk	Shkola Oleg I.	\$183 300							US:1 Canada:1 EU:2
<b>Uzb-99 (J)</b>	Heat-Resistant Titanium with Intermetallics	Paton Electric Welding Institute; Kyiv/ Tashkent State University; Tashkent	Kompan Yaroslav Yu./ Abralov Makhmud A.	\$197 234	\$197 234				\$197 234	\$ 197234	US:5 Canada:2 EU:2
<b>Uzb-100</b>	Estimation of Radiation Conditions on Territories of Uzbekistan Having Higher-Level Exposure Dangerous for Human Health	Tashkent State University, Institute of Applied Physics; Tashkent	Inoyatov Anvar K.	\$153 240							US:2 Canada:2 EU:2
Uzb-101 (J)	Development of the Engine with RF-heating of the Working Substance for Orbit Correction of the Telecommunication Spacecraft	Kharkiv Institute of Physics and Technology National Scientific Center; Kharkiv	Kobetz Anatolij	\$210 000							US:1 Canada:1 EU:2
Uzb-108	Filled and Polymer-Polymeric Nanocomposites Creation on the Base of Polyamide-6 for Construction Use	Institute of Polimer Chemistry and Physics; Tashkent	Ashurov Nigmat Rustamovich	\$150 000							US:1 Canada:1 EU:2
Uzb-111 (J)	Red and NIR Absorbing and Emitting Fluorescent Probes and Labels for Use in Biological and Biomedical Research	Institute for Single Crystals Scientific and Technological Concern; Kharkiv	Patsenker Leonid	\$180 000	\$180 000				\$180 000	\$ 180000	US:5 Canada:2 EU:2
Uzb-112 (J)	Development of the Complex for Membrane Production for Gases and Liquids Refinement	Kharkiv Institute of Physics and Technology National Scientific Center; Kharkiv	Bomko Vasyi	\$215 000							US:1 Canada:1 EU:2
<b>Uzb-113</b>	Quasi-Elastic Light Scattering and Cooperative Phenomena in Disordered Lattice of Super-Ionic Conductors	Heat Physics Department; Tashkent	Krivorotov Valeriy	\$56 000							US:1 Canada:1 EU:2
Uzb-116 (J)	Complex Studies of Magnetoresonance, Magnetic, Magneto optic and Thermal Properties of Fullerite Doped with Gases	Verkin Institute for Low Temperature Physics and Engineering; Kharkiv	Aleksandrovskii Anatolii	\$70 664							US:1 Canada:1 EU:1
<b>Uzb-118 (J)</b>	Modified Magnetron Line for Deposition of Optical Heat-Reflecting Coatings on Large-Area Glass	Institute of Physics; Kyiv/ Institute of Electronics; Tashkent	Panchenko Oleg/ Amanov Shakirkhodzha	\$160 282	\$160 282				\$160 282	\$ 160282	US:5 Canada:2 EU:2
Uzb-121	Development of optimal technology to direct transform of the concentrated solar energy into laser radiation energy	Scientific Association «Physics-Sun» Physical-Technical Institute; Tashkent	Fazilov Abdukhakim	\$283 335							US:1 Canada:1 EU:2
Uzb-126	Mobile Laboratory	Institute of Nuclear Physics (UAS), Tashkent		\$539 095	\$539 095				\$539 095	\$ 539095	US:5 Canada:2 EU:2
Uzb-129	The GIS Tools for Calculation of Evapotranspiration by Using of Satellite Images	Scientific Research Institute for Space Engineering; Tashkent	Platonov Alexander	\$200 750							US:2 Canada:2 EU:2

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5. Approved with Funding

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Uzb-130 (J)	Development of Technology for Production of Carbon Nanostructural Composite Materials	Frantsevich Institute for Problems of Materials Science; Kyiv	Schur Dmitriy	\$269 900							US:1 Canada:1 EU:2
Uzb-131 (J)	Neutron Difrraction Study of Thermo- and $\gamma$ - Radiation-Stimulated Phase Transitions of the Interstitial Alloys on the Basis of Titanium and Zirconium	Frantsevich Institute for Problems of Materials Science; Kyiv	Zaginaichenko Svitlana	\$271 200							US:1 Canada:1 EU:2
Uzb-134	Research and development of technique and technology of cotton seed growth stimulation	Bukhara regional centre of science ; Bukhara	Safarov Adil	\$180 000							US:1 Canada:1 EU:2
Uzb-136 (J)	Production and Technology of Protective Films and Coatings Based on Ion Implantation and Investigation of their Properties	Donetsk State University; Donetsk	Bazhin Anatoliy	\$150 000			€130 000			€ 130000	US:1 Canada:1 EU:5
<b>Subtotal Regular Uzbek Projects Approved:</b>				\$6 719 892	\$1 591 027	\$0	€472 000	\$0	\$1 591 027	\$ 1591027 € 472000	
3014	Novel oxygen-, nitrogen, chalcogan-cotaining platinum metal complexes for the correction of cardiovascular disturbance under extreme conditions.	V. I. Vernadskii Institute of General and Inorganic Chemistry; Kyiv	Volkov Sergii	\$199 255							US:1 Canada:1 EU:2
3133	Solitons and Breathers in Condensed Media	Georgian Technical University; Tbilisi	Adamashvili Guram	\$100 000							US:1 Canada:1 EU:2
3137	Fabrication, Testing and Techno-Economic Comparison of Novel Photovoltaic Modules with Different Optical Concentrators	Scientific Research Institute "OPTICA"; Tbilisi	Avaliani Jemal	\$48 000							US:1 Canada:1 EU:2
<b>Gr-27 (J)</b>	Multicriterial Optimization of Adaptive Sensors Developed for Ecological Monitoring	Institute of Space Research; Kyiv/ Institute of Control Systems; Tbilisi	Voronin Albert N./ Salukvadze Mindija	<b>\$139 000</b>							US:1 Canada:1 EU:2
<b>Gr-44 (J)</b>	System for Computer-Aided Design of Information and Control Systems (I&C) for Technological Processes (SCADA/MMI Systems)	"Hartron" Research and Production Association, Joint Stock Company, Kharkiv State Technical University of Radio Electronics; Kharkiv/ Georgian Technical University; Tbilisi	Krivososov Anatolii I./ Gogichaishvily G.	<b>\$170 000</b>							US:1 Canada:1 EU:2
<b>Gr-49 (J)</b>	Elaboration of the Registering Layers for the Optical Record in the Ultraviolet Spectral Range	Institute of Magnetism; Kyiv/ "MIONI" State Scientific Manufacture; Tbilisi	Krupa Mykola M./ Yakashvili J.	<b>\$270 020</b>							US:2 Canada:2 EU:2
<b>Gr-59 (J)</b>	Development of Optimal Manufacturing Technology and Manufacture of High-Pressure Bottles	"Pivdenne" State Design Bureau; Dnipropetrovsk/ Georgian Technical University; Tbilisi	Yelanskii Yurii A./ Shvangiradze M.	<b>\$199 210</b>			€173 000			€ 173000	US:2 Canada:2 EU:5

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<b>Gr-63 (J)</b>	Reliability Evaluation for Responsible Structures (Building Structures of Nuclear Power Stations (NPS), Pipelines and Reservoirs)	Institute of Mathematics; Kyiv/ Tbilisi Ivane Javakhishvili State University; Tbilisi	Makarov Vladimir L./ Meladze Hamlet V.	<b>\$198 517</b>							US:2 Canada:2 EU:2
Gr-66 (J)	Development of Microdispersed Nanostructures at the Surface of Objects which Operate under Extreme Conditions of Loading	Paton Electric Welding Institute; Kyiv	Dudko Daniil	\$172 000							US:1 Canada:1 EU:2
<b>Gr-70 (J)</b>	Development and Manufacture of an Experimental Prototype for a Highly-Effective Desalination Installation	"Pivdenne" State Design Bureau; Dnipropetrovsk/ "Membrane" Scientific Research Center; Tbilisi	Bidniak Leonid G./ Tsisino Kurtshalla	<b>\$100 000</b>	<b>\$100 000</b>				<b>\$100 000</b>	<b>\$ 100000</b>	US:5 Canada:2 EU:2
<b>Gr-75 (J)</b>	Development of Universal Software Module for Research Kinetics of Damages Accumulation in Materials	"Pivdenne" State Design Bureau; Dnipropetrovsk/ Sukhumi Physical and Technical Institute; Tbilisi	Pinyagin Victor/ Nardaia Yuriy	<b>\$99 000</b>			<b>€86 000</b>			<b>€ 86000</b>	US:2 Canada:2 EU:5
Gr-76 (J)	Development of Conductive Compounds Based on Thermosetting Polymers	Pivdenne State Design Bureau; Dnipropetrovsk	Borya Alexander	\$128 710							US:1 Canada:1 EU:2
<b>Gr-79 (J)</b>	Research, Design, Development and Integration of Environmentally Pure Ozone-Safe Fire-Explosion Prevention System of Launch Vehicles for International Programs	"Pivdenne" State Design Bureau; Dnipropetrovsk/ Sukhumi Physical and Technical Institute; Sukhumi	Nezhovany Yevgen P./ Chanturidze Vladimir	<b>\$195 000</b>							US:1 Canada:1 EU:2
<b>Gr-81 (J)</b>	Microclimate Chamber Development of a Space Greenhouse for International Space Program	National Technical University of Ukraine "Kyiv Polytechnical Institute"; Kyiv/ Sukhumi Physical and Technical Institute; Tbilisi	Rassamakhin Borys M./ Nardaia Juri	<b>\$131 000</b>							US:2 Canada:2 EU:2
<b>Gr-83 (J)</b>	Development of Synthesis Techniques and Industrial Technologies of Production of Materials for Reaction Vessels of Lithium Power Sources	"Zirconium" State Scientific-Production Enterprise; Dniprodzerzhinsk/ Institute of Inorganic Chemistry and Electrochemistry; Tbilisi	Plakhotnyk Volodymyr/ Kachibaia Eteri	<b>\$162 284</b>	<b>\$162 284</b>				<b>\$162 284</b>	<b>\$ 162284</b>	US:5 Canada:2 EU:2
<b>Gr-88</b>	Development of a Mobile Arc Plasma Apparatus for Fusing of Hard Materials	Institute of Mining Mechanics; Tbilisi	Gelenidze Medgar	<b>\$273 850</b>							US:1 Canada:1 EU:2
<b>Gr-90 (J)</b>	High Sensitivity Small-Sized Semiconductor Gas Analyzer for Uninterrupted Control of Methane Content in the Atmosphere of Coal Mines	Frantsevich Institute for Problems of Materials Science; Kyiv/ Tbilisi State University; Tbilisi	Lashkarev Georgii/ Kekelidze Gizi	<b>\$180 035</b>							US:2 Canada:2 EU:2
<b>Gr-91 (J)</b>	Novel Radiation-Resistant Composite Chalcogenide and Chalcogen Halide Materials for Electronic, Optoelectronics and Nonlinear Equipment	Institute of Inorganic Chemistry and Electrochemistry (Tbilisi, Georgia) Prof. R. Tushurashvili (Georgia); Institute of General and Inorganic Chemistry (Kyiv, Ukraine)	Pekhnyo vasyi I (Ukraine)	<b>\$199 895</b>	<b>\$199 865</b>				<b>\$199 865</b>	<b>\$ 199865</b>	US:5 Canada:2 EU:2

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Gr-92 (J)	Development of New Technologies and Apparatus for Measurement of Capillary Properties of High-Temperature Melts	Karpenko Institute of Physics and Mechanics; Kyiv/ F. Tavadze Institute of Metallurgy; Tbilisi	Muravsky Leonid/ Khantadze Jumber V.	\$241 588							US:2 Canada:2 EU:2
Gr-96	Development of the Effective Bacterial Leaching Technology of Low Grade Manganese Ores and Slimes	Caucasian Institute of Mineral Resource; Tbilisi	Sakhvadze Lamara	\$242 810							US:1 Canada:1 EU:2
Gr-97 (J)	Laser Epitaxy IR Photosensitive Quantum-Dimensional Structures with Sigma-Doped Layers	Institute of Semiconductor Physics; Kyiv/ Tbilisi Ivane Javakhishvili State University; Tbilisi	Plytsko Sergiy/ Tsekvava Boris E.	\$197 400							US:2 Canada:2 EU:2
Gr-98	Development of Software Package for Dynamic Calculation of Maximum Allowable Discharge (MAD) Depending on River Overall State and Economic Interests of Water Users from Georgia	Institute of Applied Mathematics; Tbilisi	Kachiashvili Kartlos	\$138 701							US:2 Canada:2 EU:2
Gr-99	Development of a New Theory of Rock Bumps, as an Earthquake Model, and the Computation of the Dynamic Parameters	Institute of Mining Mechenics; Tbilisi	Rekhviashvili Iuri	\$116 800							US:2 Canada:2 EU:2
Gr-100	Brazing Technology of Metals to Ceramics	Georgian Technical University; Tbilisi	Okrosashvili Michael	\$159 900							US:1 Canada:1 EU:2
Gr-105	Development of a New High-Performance and Ecologically Clean Technology for Arsenic Sulfide Ores Processing	Georgian Technical University; Tbilisi	Iashvili Tengiz	\$198 287							US:1 Canada:1 EU:2
Gr-107	Development New Structural Materials for Neutralization and Localization of the Neutron Irradiation Sources	Institute of Physical and Organic Chemistry; Tbilisi	Papava Givi	\$97 710							US:1 Canada:1 EU:2
Gr-109	Ecological Danger of Pesticides Residues, Establishment of the Ways of Detoxification and Working Out of Practical Recommendations for Deactivation of Contaminated Territories	Durmishidze Institute of Biochemistry and Biotechnology ; Tbilisi	Kakhniashvili Christo	\$183 420							US:2 Canada:2 EU:2
Gr-110	Processing of Effective Technology for Biorecultivation of Destroyed Landscapes by the Fertilizers Prepared from Local Unused Resources	"Sakagrobomretsvi"; Tbilisi	Zakaidze M.	\$206 550							US:2 Canada:2 EU:2
Gr-112	Mathematical Modeling and Prediction of Environmental Impacts on Dam and Reservoir Region due to Extreme Landslidegenic Water Waves	"Energia", LTD; Tbilisi	Matcharadze G.	\$110 409							US:2 Canada:2 EU:2
Gr-113	Elaboration of Highly-Active Intestinal and Staphylococcal Bacteriophages in Suppository Forms for the Application in a Medical Practice	Institute of Bacteriophagy, Microbiology and Virology; Tbilisi	Giorgadze Inga	\$202 720							US:1 Canada:1 EU:2

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Gr-116	Liquid Crystal Laser	Institute of Cybernetics; Tbilisi	Tsintsadze Givi	\$94 000							US:1 Canada:1 EU:2
Gr-118	Study of interaction between antibiotics and bacteriophages taking into account the resistance of strains isolated from patients during the treatment of suppurative infections	G. Eliava institute of Bacteriophage, microbiology and virology ; Tbilisi	Gamrekeli David	\$212 677							US:2 Canada:2 EU:2
<b>Gr-119</b>	Selection and Property Studies of the Virulent Active Against the Pathogenic Strains of Yersinia Enterocolitica with an Aim of Development of Technology for Obtaining the Polyvalent Medical Preventive Preparation	G. Eliava institute of Bacteriophage, microbiology and virology ; Tbilisi	Darsavelidze Marina	<b>\$293 805</b>							US:2 Canada:2 EU:2
Gr-120	A Novel Method for Corection of the Lead Toxic Impact With an Aid of Homeopathic Complexon Ecohomeo, on the Basis of Medico-Ecological Monitoring	Scientific-research Institute of Pediatrics; Tbilisi	Barabadze Ketevan	\$86 099							US:2 Canada:2 EU:2
Gr-121	Prolonged Acting, High Effective, Antimastitis Preparation Composed of Bacteriophages, Hyaluronidase and Biodegradable Polymer	Research Center for Medical Polymers and Biomaterials ; Tbilisi	Beridze Vakhtang	\$249 080							US:1 Canada:1 EU:2
Gr-125	Creation of the New Paramedical Remedy and Its Application to the Treatment and the Prevention of the Heart Ischemy Illness	Scientific Laboratory-Enterprise "PIGMENTI" LTD.; Tbilisi	Kochlamazash vili Avtandill	\$195 029							US:1 Canada:1 EU:2
Gr-126	Explosive Fabrication of Novel Materials from Nanocrystalline Powders	Institute of Mining Mechenics; Tbilisi	Chikhradze Nikoloz	\$123 350							US:1 Canada:1 EU:2
Gr-133 (J)	Analytical and Software Representation of Two-Stage Algorithm of Guaranteed Identification for Plants Simulated by Differential Equations	Institute for Applied Systems Analysis; Kyiv	Ivanenko Viktor	\$124 000							US:1 Canada:1 EU:2
<b>Subtotal Regular Georgian Projects Approved:</b>				<b>\$6 440 111</b>	<b>\$462 149</b>	<b>\$0</b>	<b>€259 000</b>	<b>\$0</b>	<b>\$462 149</b>	<b>\$ 462149 € 259000</b>	
NN-09(R)	Moss Protonema as a Model Object in the Study of Microgravity Impact on Plant Growth and Morphogenesis	Institute of Ecology of the Carpathians National Academy		\$45 000	-\$22 500	\$0	€19 500	\$0	-\$22 500	\$ -22500 € 19500	
NN-10(R)	The Influence of Micro Gravity on Kinetics and Trophic Supply of Plan	Institute of Cell Biology & Genetic Engineering of the National Academy of Sciences of Ukraine		\$50 000	-\$25 000	\$0	€21 500	\$0	-\$25 000	\$ -25000 € 21500	
NN-25(R)	Influence of Spaceflight Conditions on Blood Microcirculation and Reological Properties of Blood	Institute of Gerontology AMS of Ukraine		\$40 000	-\$20 000	\$0	€17 500	\$0	-\$20 000	\$ -20000 € 17500	

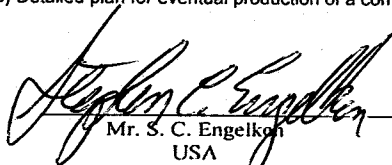
1. Review Incomplete
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3. Rewrite/Resubmit
4. Other - See Comments
5. Approved with Funding

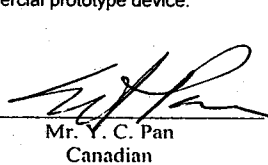
#	Full Title	Leading Institution	Project Manager	Requested Funds	USA (US \$)	Canada (US \$)	European Union (EURO)	Other (US \$)	Total Funding (US \$)	Total Funding (US \$ + EURO)	Comments Conditions
<b>Subtotal NASA/NSAU Projects Approved:</b>				\$135 000	-\$67 500	\$0	€58 500	\$0	-\$67 500	-67500 € 58500	
<b>Subtotal Regular Projects Approved:</b>				\$38 574 896	\$3 985 875	\$130 000	€1 492 500	\$0	\$4 115 875	\$ 4115875 € 1492500	
P004e	Protocol for the Study of Thyroid Cancer and Other Thyroid Disorders in Ukraine Following the Chernobyl Accident.	Institute of Endocrinology and Metabolism	Tronko Mykola Dmytrovych	\$592 089	\$592 089				\$592 089	\$ 592089	
P005c	New classes of organic compounds for testing as potential crop protection chemicals for agricultural use.	Institute of Organic Chemistry of NASU	Sinitsa Anatoly Danylovych.	\$115 500	\$115 500				\$115 500	\$ 115500	
P034c	Institute of Nuclear Research, NAS of Ukraine	Energetic Ions in Toroidal Fusion Devices	Kolesnichenko Yaroslav	\$40 461	\$40 461				\$40 461	\$ 40461	
P085a	Health Effects of Chernobyl Accident	Center for Radiation Medicine of AMSU	Bazyka Dmitry Anatolievich	€183 673			€183 673			€ 183673	
P099a	Validating a Pilot Plant in the Chernobyl Exclusion Area by Means of Experiments	Institute of Geological Sciences of the NASU	SSkalskyy Oleksandr	€11 562			€11 562			€ 11562	
P100a	Conducting Polymer Composites	Institute of Bioorganic Chemistry and Petrochemistry	Prof. Galina Shapoval	€70 000			€70 000			€ 70000	
P108a	Refractory Materials and Functionally Graded Coating Electron Beam Deposition	Paton Welding Institute of NASU	Yakovchuk Konstantin	\$10 000		\$10 000			\$10 000	\$ 10000	
P113	Human Motion Tracking System	Lviv Polytechnic National University	Bolshakova Inessa Antonovna	\$52 500		\$52 500			\$52 500	\$ 52500	
P114	Population Ecology & Systematics of the family Protostrongylidae, the Parasites of Bovidae	Institute of Zoology, Uzbek Academy of Sc.	Azimov D.A.	\$300 151	\$300 151				\$300 151	\$ 300151	
P116	Improving Irrigation Water Use Efficiency and Water Quality in Uzbekistan	Uzbekistan National Cotton Growing Research Institute	Kamilov Bakhtiyar Sultanovich	\$301 359	\$301 359				\$301 359	\$ 301359	
P119	Development of Baculovirus-Based Insecticide Technology in Uzbekistan	Institute of Genetics and Plant experimental Biology of the Academy of Sciences of Republic of Uzbekistan	Abdulkarimov Abdusattor	\$330 000	\$330 000				\$330 000	\$ 330000	
P120	Molecular Mapping of Fiber Quality Genes Using Uzbek Cotton Germoplasm Resources	Institute of Genetics and Plant experimental Biology of the Academy of Sciences of Republic of Uzbekistan	Abdurakhmonov Ibrokhim	\$300 000	\$300 000				\$300 000	\$ 300000	

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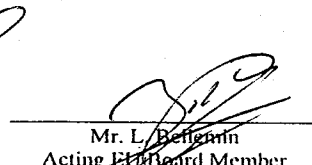
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P121	Characterization and Molecular Mapping of Phytochromes and Flowering Genes in Cotton	Institute of Genetics and Plant experimental Biology of the Academy of Sciences of Republic of Uzbekistan	Abdurakhmonov Ibrokhim	\$300,000	\$300,000				\$300,000	\$ 300000	
P123	Next Generation EB-PVD Multi Purpose Machine	International Center for Electron Beam Technologies of Paton Welding Institute of NASU	Marynsky George Sergeevich	\$1,381,775	\$1,381,775				\$1,381,775	\$ 1381775	
P125	Study of high damping mechanism in composite coatings and development of principles for designing hard damping gradient coating by EBPVD method	International Center for Electron Beam Technologies of Paton Welding Institute of NASU	Ustinov Anatolii Ivanovich	\$100,000	\$100,000				\$100,000	\$ 100000	
P131	Development of a New Approach and Instrument for Measurements of Volume Scattering Function Over Wide Range of Scattering Angles in Sea Water	Marine Hydrophysical Institute of NASU	Lee Michael E.	\$68,672	\$68,672				\$68,672	\$ 68672	
P133	Development and Manufacture of Lightweight Components for SAE/UMC Vehicle	Texmet Scientific and Manufacturing Company	Soroka Petro Gnatovich	\$52,500	\$52,500				\$52,500	\$ 52500	
P134	Preliminary Investigation of Manitoba Basalts Suitability for Basalt Fiber manufacturing	Basalt Fiber Research Laboratory at the Institute for Material Science of NASU	Sergeev Vladimir Petrovich	\$29,925		\$29,925			\$29,925	\$ 29925	
P138	Sea-Search, a Pan-European Network for Ocean & Marine Data and Information Management	Marine Hydrophysical Institute	Suvorov Alexander Mihailovich	€30,684			€30,684			€ 30684	
<b>Subtotal Partner Projects Approved:</b>				\$ 3974932 € 295919	\$3,882,507	\$92,425	€295,919	\$0	\$3,974,932	\$ 3974932 € 295919	
<b>TOTAL:</b>				\$ 42,463,729 € 295,919	\$7,868,382	\$222,425	€1,788,419	\$0	\$8,090,807	\$ 8090807 € 1788419	

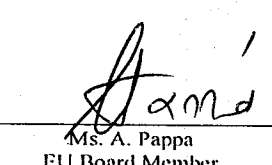
Comments: Uzb-60 (Project Development Grant) - Authors to rewrite and resubmit their proposal to respond to reviewer's comments [to be provided by funding party]. In particular, the result of this project development grant will be: 1). A thoroughly researched and revised proposal; 2). establishment of contacts with foreign researchers and companies who can collaborate on this project; and 3) Detailed plan for eventual production of a commercial prototype device.

  
Mr. S. C. Engelke  
USA  
Acting Board Member

  
Mr. Y. C. Pan  
Canadian  
Board Member

  
Mr. Y. Yatskiv  
Ukrainian  
Board Member

  
Mr. L. Benjamin  
Acting Board Member  
(for the European Commission)

  
Ms. A. Pappa  
EU Board Member  
(for the EU Presidency)

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