

#	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
1657	The Growth of High-Quality Acousto-Optical Mercurous Chloride Hg ₂ Cl ₂ Single Crystals	"Elent A" , Non-Traditional Technologies Science and Engineering Center; Dnipropetrovsk	Akimov Sergiy	\$140,250							US:1 Canada:1 EU:1
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:1
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:2 Canada:2 EU:1
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:1
1744	Enlargement of Three Dimensional Holographic Memory Capacity	Kharkiv Military University; Kharkiv	Kupchenko Leonid F.	\$95,200							US:1 Canada:1 EU:1
1748	Development of the Superlight Aircraft of New Generation	"Kharkiv Aviation Institute" State Space University; Kharkiv	Neshmonin Petro	\$130,316							US:1 Canada:1 EU:1
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:2 Canada:2 EU:1
1768	Radioactive Enhancement of Treatment by platinum cytostatics	"Kharkiv Institute of Physics and Technology" National Scientific Center; Kharkiv	Dikiy Mykola	\$80,000	\$70,000	\$10,000			\$80,000	\$ 80000	US:5 Canada:5 EU:2
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:1
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:1
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:2 Canada:2 EU:1
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:2 Canada:2 EU:1
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:1
1925	Portable Spectrometer of Electronic-Spin-Resonance for Medical and Biological Investigations	Usikovs Institute of Radiophysics and Electronics; Kharkiv	Yeremka Victor	\$114,345							US:2 Canada:2 EU:1
1926	Small-Size ESR-Spectrometer for Medical Investigations and Diagnostics	Usikovs Institute of Radiophysics and Electronics; Kharkiv	Yeremka Victor D.	\$109,868							US:2 Canada:2 EU:1

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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:1
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:2 Canada:2 EU:1
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:1
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:1
2004 (C)	New Highly-Sensitive Photo-Refractive Semiconductor Materials	Institute of Physics; Kyiv	Gnatenko Yuriy	\$79,000							US:1 Canada:1 EU:1
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:2 Canada:2 EU:1
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:2 Canada:2 EU:1
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:2 Canada:2 EU:1
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:2 Canada:2 EU:1
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:1
2079	Holographic Materials for Neutron and Optical Spectroscopy	Kyiv Taras Shevchenko University; Kyiv	Obukhovskii Vyacheslav	\$65,200							US:1 Canada:1 EU:1
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:1
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:1
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:1

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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 Iliia I.	\$94,000							US:2 Canada:2 EU:1
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:2 Canada:2 EU:1
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:1
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	\$136,176	\$15,000			\$151,176	\$ 151176	US:5 Canada:5 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:1
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	\$195,000				\$195,000	\$ 195000	US:5 Canada:2 EU:2
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:1
2253	Information Technology and System for Preservation of Cultural Possessions of Ukraine	State Scientific and Research Institute of Information Infrastructure; Lviv	Opotiak Yu.V.	\$76,149							US:1 Canada:1 EU:1
2259	Nonlinear Generation of Second Harmonics of Laser Irradiation Using Passive Resonator	"Lvivska Polytechnica" State University; Lviv	Bobitskii Yaroslav V.	\$159,729							US:2 Canada:2 EU:1
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:1
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:1
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:1
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:2 Canada:2 EU:1
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:1

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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:1
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:1
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:1
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:1
2337	A Mobile System of Electromagnetic Phase Location for Oil and Gas Pipelines	Glushkov Institute of Cybernetics; Kyiv	Bekh Olexander	\$109,200							US:2 Canada:2 EU:1
2343	Intratomic Correlations, Electronic Structure and Structural Phase Transformations in Alloys Exposed to Radiation	Kyiv Taras Shevchenko University; Kyiv	Kulish Mykola	\$191,750							US:2 Canada:2 EU:1
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:2 Canada:2 EU:1
2358	Special Plastic Lubricants Production Technology Elaboration	Ukrainian State Chemical and Technological University	Ransky Anatolii	\$64,101							US:2 Canada:2 EU:1
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:1
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:2 Canada:2 EU:1
2376	Research of Extra-Low Frequency Perturbations of Atmospheric Pressure for Diagnostics and Correction of Meteorological Dependency	Kyiv Taras Shevchenko University; Kyiv	Gorgo Yurii P.	\$138,690							US:1 Canada:1 EU:1
2411	Development of Dye-Doped Polymer Systems as the Standards for Time-Resolved Spectroscopy	Institute of Physics; Kyiv	Bondar Mykhailo	\$190,000							US:2 Canada:2 EU:1
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:1
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:2 Canada:2 EU:1

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2454	Development of Methods for Synthesis and Upgrading of Colored Stones	State Scientific Center of Environmental Radiogeochemistry; Kyiv	Komov Igor	\$197,205							US:2 Canada:2 EU:1
2478	Electronic Weight Measuring Equipment	Daughter Enterprise "Orizon-automation" of State Plant "Orizon-instrument"; Smila	Kohanenko Volodymyr	\$221,475							US:2 Canada:2 EU:1
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:2 Canada:2 EU:1
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:1
2489	The Two-Nozzle Injection for the Water Cooling Towers of the Splashing Type	"Dnepropetrovsk plant Temp" Join Stock Company; Dnipropetrovsk	Gavrish Felix	\$148,600							US:1 Canada:1 EU:1
2517	Development of Voice-Control Plasma Surgical Apparatus	"Pivdenne" State Design Bureau; Dnipropetrovsk	Dranovsky Volodymyr	\$124,344							US:1 Canada:1 EU:1
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:1
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:1
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	\$80,000	\$10,000			\$90,000	\$ 90000	US:5 Canada:5 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:1
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:1
2597	Reduction of Military Engineering: Use for Civil Purposes of Heavy Mechanized Bridges	"UkrNDIproektstalkonstruksiya", Ukrainian Research and Design Institute of the steel constructions, Joint Stock Company; Kyiv	Gordeyev Vadym M.	\$92,620							US:2 Canada:2 EU:1
2624	Investigations of Basic Compressibility Effects in Sub-, Trans-, Supersonic Flows in Water Free Surfaces	Institute of Hydromechanics; Kyiv	Selezov Igor	\$34,000							US:2 Canada:2 EU:1

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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:1
2626	Diffractiontopography	Kurdyumov Institute for Metal Physics; Kyiv	Molodkin Vadym	\$178,600							US:1 Canada:1 EU:1
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:1
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:1
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:1
2656	Energy-Conservation Technology for Underwater Preservation of Stores	Sevastopol Naval College; Sevastopol	Baranov Olexander M.	\$82,620							US:1 Canada:1 EU:1
2658	Magneto-Optical Transformers	Simferopol State University; Simferopol	Dubinko Sergii V.	\$120,000							US:2 Canada:2 EU:1
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:2 Canada:2 EU:1
2682	Ukrainian Ozone Monitoring Network	Institute of Physics; Kyiv	Baschenko Sergiy	\$139,954							US:2 Canada:2 EU:1
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:1
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:4 Canada:4 EU:1
3004	Novel express methods for outdoor detection of toxic impurities in environment and socially insecure pharmacological substances	Institute for Single Crystals; Kharkov	Blank Avram	\$198,200							US:1 Canada:1 EU:1
3005	CRYSTALLIZATION PRE-CONCENTRATION OF POISONOUS AND BIOACTIVE SUBSTANCES FROM AQUEOUS SOLUTIONS	Institute for Single Crystals; Kharkov	Eksperiandova Lyudmyla	\$140,200							US:1 Canada:1 EU:1
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	\$177,974	\$20,000			\$197,974	\$ 197974	US:5 Canada:5 EU:2

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3011	Gas Analysis Device for Hydrogen Measuring in Air	Taras Shevchenko Kyiv University; Kyiv	Maksymovych Nelli	\$159,998	\$159,998				\$159,998	\$ 159998	US:5 Canada:2 EU:2
3012	Physical processes in low-dimensional crystalline layered chalcogenides and their applications	Chernivtsi Department of the Institute of Materials Science Problems of the National Academy of Sciences of Ukraine; Chernivtsi	Kovalyuk Zakhar	\$148,500							US:1 Canada:1 EU:1
3017	The development of synthetic approaches to novel types of azole and azine derivatives, potential bioregulators	Institute for Bioorganic Chemistry and Petrochemistry	Drach Boris	\$147,000	\$30,000				\$30,000	\$ 30000	US:6 Canada:6 EU:1
3018	Development of technology for energy production from radioactive contaminated wood and other combustible materials	Research Institute for Mechanics of Quick-Proceeding Processes; Kyiv-58	Veryuzsky Yury	\$161,000							US:2 Canada:2 EU:1
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:4 Canada:4 EU:1
3020	Reagent-free technology for disinfecting of various liquids, on basis of combination of high-voltage pulsed effects	Research and Engineering institute "Molniya" National Technical University "Kharkov Polytechnical Institute"; Khakov	Boyko Mykola	\$146,124							US:1 Canada:1 EU:1
3021	Nontraditional electrochemical systems for converting energy	National Technical University of Ukraine "KPI"; Kiev	Kuzminskii Eugen	\$115,500							US:1 Canada:1 EU:1
3022	Development of microwave devices for mobile communications using new superconducting materials	Institute for Metal Physics; Kyiv	Prokhorov Valeriy	\$141,900							US:1 Canada:1 EU:1
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:4 Canada:4 EU:1
3025	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:2 Canada:2 EU:1
3027	Scientific Base of Designing and Manufacturing New Advanced Materials by Evaporation and Condensation Technology	Institute for Problems of Strength; Kiev	Stepanov Gennadiy	\$124,400							US:1 Canada:1 EU:1
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:2 Canada:2 EU:1

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3029	Development of utilization technology for combustible radioactive waste with separation between short and long half-life radionuclides	Research Institute for Mechanics of Quick-Proceeding Processes; Kyiv-58	Veryuzsky Yuri	\$161,000	\$161,000				\$161,000	\$ 161000	US:4 Canada:4 EU:1
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	\$77,330	\$10,000			\$87,330	\$ 87330	US:5 Canada:5 EU:2
3034	Development of wood fired under screw boiler of 100 kW for wood waste combustion.	The Institute of Engineering Thermophysics; Kyiv	Geletukha Georgiy	\$115,000							US:1 Canada:1 EU:1
3035	Development of Fisher-Tropsch Synthesis Technology for Liquid Fuel Production from Biomass	The Institute of Engineering Thermophysics; Kyiv	Zhelyezna Tetyana	\$148,000							US:1 Canada:1 EU:1
3036	Development of environmentally friendly technology for municipal solid wastes gasification.	The Institute of Engineering Thermophysics; Kyiv	Geletukha Georgiy	\$193,000		\$10,000	€91,454		\$10,000	\$ 10000 € 91454	US:1 Canada:5 EU:5
3037	Development of lithium-ion rechargeable battery, super-capacitor and hybrid unit on their basis using the fluorosulphonate electrolytes	Pivdenne State Design Office; Dnepropetrovsk	Frolov Viktor	\$192,000							US:1 Canada:1 EU:1
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:1
3041	Development of Fast Pyrolysis Technology for Liquid Fuel Production from Agricultural Wastes of Ukraine	The Institute of Engineering Thermophysics; Kyiv	Zhelyezna Tetyana	\$148,000							US:2 Canada:2 EU:1
3042	OPTICAL STRESS TENSOR FIELD 3D-TOMOGRAPHY	Institute of Physical Optics; Lviv	Vlokh Rostyslav	\$144,000	\$144,000				\$144,000	\$ 144000	US:5 Canada:2 EU:2
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:4 Canada:4 EU:1
3047	The film forming materials for interference optics of the excimer and technological IR lasers	The Bogatsky Institute for Physical Chemistry; Odesa	Eft'yushina Ninel	\$200,000							US:2 Canada:2 EU:1
3048	Development of nano-technologies for formation of lithium-ionic storage batteries, self-charging by irradiation light	National University "Lvivska Politehnika"; Lviv	Lukiyanets Bogdan	\$180,000							US:1 Canada:1 EU:1
3050	Development of technology for anaerobic digestion of manure with biogas production on cattle and pig farms	Scientific Engineering Centre "Biomass"; Kiev-67	Matveev Yuri	\$179,000							US:1 Canada:1 EU:1
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:2 Canada:2 EU:1

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3052	Development of straw fired boiler of 100 kW for small bales combustion.	The Institute of Engineering Thermophysics; Kyiv	Geletukha Georgiy	\$115,000							US:1 Canada:1 EU:1
3053	Investigation of explosive straightening processes of high-accuracy complex shells and scientific base technology development	National Airospace University named by N.E. Zhukovskiy "KhAI"; Kharkiv	Molodykh Sergei	\$160,000							US:1 Canada:1 EU:1
3056	Development of technology for landfill gas extraction and utilization	Scientific Engineering Centre "Biomass"; Kiev-67	Matveev Yuri	\$191,000							US:1 Canada:1 EU:1
3057	Development of high stability cermet springs and devices for examination of their parameters.	Institute for Problems of Materials Science; Kyiv	Silenko Peter	\$146,955							US:1 Canada:1 EU:1
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:2 Canada:2 EU:1
3059	Method and apparatus for diagnosing a living tissue state	Institute of Applied Problem of Mechanics and Mathematics ; Lviv	Gafiychuk Vasyl	\$88,500							US:2 Canada:2 EU:1
3063	Technique for Nuclear Warhead/Explosives Remote Detection	The V.M. Karazin Kharkiv National University; Kharkiv	Chorny Valenty	\$260,000							US:4 Canada:4 EU:1
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:2 Canada:2 EU:1
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:1
3068	Compact Helicon Dense-Plasma Source	Institute for Nuclear Research; Kiev	Shamrai Kostyantyn	\$54,970							US:1 Canada:1 EU:1
3070	Development of energy efficient technology for charcoal production.	The Institute of Engineering Thermophysics; Kyiv	Geletukha Georgiy	\$104,200							US:1 Canada:1 EU:1
3071	Spectral Lamps of New Generation for Medicine and Photobiology	Institute of Physics of National Academy of Sciences of Ukraine; Kyiv	Zubrilin Nikolai	\$198,000							US:1 Canada:1 EU:1
3072	Cast high-strength austenitic with complex special property alloys for machine-building, gas- and oil-extraction systems.	Physico-Technological Institute of Metals and Alloys; Kyiv	Bondarevskyy Valeriy	\$139,757							US:1 Canada:1 EU:1
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:1
3074	SQUID-magnetometry system for monitor for magnetic contrast agents and targeted transport of medicines on magnetic carriers	V.M.Glushkov Institute of Cybernetics; Kyiv	Voytovych Igor	\$223,000							US:1 Canada:1 EU:1

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3076	Development of new high effective hybrid battery for accumulation and conservation of the solar energy	The Francevych Institute Of Material Science Of The National Academy Of Sciences Of Ukraine; Kyjiv	Tovstyuk Kornij	\$85,000							US:1 Canada:1 EU:1
3077	Development of pure plant oil production and utilization technologies for agricultural machinery	The Institute of Engineering Thermophysics; Kyiv	Zhelyezna Tetyana	\$112,000							US:2 Canada:2 EU:1
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				\$145,000	\$145,000	\$ 145000	US:2 Canada:2 EU:1
3082	Effect of iron containing industrial dusts on the occupational and environmental health in the Ukraine	Institute for Applied Problems in Physics and Biophysics; Kyiv	Mykhaylyk Olga	\$222,986							US:1 Canada:1 EU:1
3083	NANOCRYSTALLINE COMPONENTS OF HIGH PERFORMANCE SOLID OXIDE FUEL CELLS	Institute for Problems of Materials Science (IPMS); Kyiv	Glitchuk Maya	\$196,000							US:1 Canada:1 EU:1
3085	New possibilities of dynamic diffraction methods in investigation of nucleation and evolution of defects in monocrystals	G. V. Kurdyumov Institute for Metal Physics; Kyiv	Molodkin Vadim	\$194,950							US:1 Canada:1 EU:1
3087	New magneto-optical medium for slight magnetic field detection	O. Galkin Donetsk Physics & Technology Institute; Donetsk	Tsymbol Lyudmyla	\$128,800							US:1 Canada:1 EU:1
3090	Development of diagnostics system for critical and important for safety machinery.	The National Technical University of Ukraine "Kyiv Politechnical Institute"; Kiev	Petrenko Victor	\$68,000							US:1 Canada:1 EU:1
3091	Chromonic Lyotropic Liquid Crystals: from molecules to crystal.	Institute of Physics; Kyiv	Nazarenko Vassili	\$69,450	\$69,450				\$69,450	\$ 69450	US:5 Canada:2 EU:2
3093	The developing a method of determining the durability characteristics of materials after energy consumption for breaking	"YuzhWEC" Firm Ltd.; Dnipropetrovsk	Paschenko Anatoliy	\$115,000							US:1 Canada:1 EU:1
3094	Improvement of Thermal and Corrosion Resistance of Titanium and Zirconium Nitrides Under the Action of Hydrogen	Frantsevich Institute for Problems of Materials Science; Kiev	Dubovyk Tetiana	\$131,934							US:1 Canada:1 EU:1
3095	Equipment and electric drive systems contractor design for the new generation mandrel tube rolling mill.	State Tube Institute; Dnipropetrovsk	Loskutov Petro	\$149,260							US:1 Canada:1 EU:1
3096	Anisotropy effects in the dynamic properties of low-dimensional spin systems	Institute for Condensed Matter Physics; Lviv	Derzhko Oleg	\$27,000							US:2 Canada:2 EU:1
3097	Insulation continuous monitoring and protection system for distribution networks of 6-35 kV	"YuzhWEC" Firm Ltd.; Dnipropetrovsk	Shcrabets Fedir	\$170,000							US:1 Canada:1 EU:1
3098	Advanced semiconductor spintronics: technology, theory and devices	Chernivtsi National University named after Yuri Fed'kovich; Chernivtsi	Gorley Petro	\$83,550							US:1 Canada:1 EU:1

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3099	Advanced electrostatic plasma lens □ for accelerator applications	Institut of Physics NAS of Ukraine; Kyiv	Goncharov Alexey	\$78,650							US:1 Canada:1 EU:1
3102	Elaboration of the preparation for medical treatment of acute intestinal infection (response for bioterrorism acts)	Scientific - Research Centre "Sorbition"; Kyiv	Dedenko Ivan	\$155,700							US:1 Canada:1 EU:1
3103	High-dispersed compositions: the way to optimization of reproductive cell media	Institute of Surface Chemistry; Kyiv	Galagan Natalia	\$170,000	\$170,000				\$170,000	\$ 170000	US:5 Canada:2 EU:2
3105	Fiber-optics minifabricated system for identification biological microobjects on the complex analysis basis of electrophoresis processes dynamics.	Pidstryhach Institute of Applied Problems of Mechanics and Mathematics NAS of Ukraine (Pidstryhach Institute of APMM NAS of Ukraine); Lviv	Demchuk Vasyi	\$97,500							US:1 Canada:1 EU:1
3107	Production scheme developing and operation characteristics investigation of scintillation strips for OPERA detector	STC Institute for single crystals; Kharkiv	Senchishin Vitalii	\$150,000							US:1 Canada:1 EU:1
3110	Development of Lithium Tetraborate-Based Tissue-Equivalent Dosimeters for Multiple Application	Institute of Electron Physics; Uzhgorod	Puga Pavlo	\$186,000							US:1 Canada:1 EU:1
3111	The spherical granulated mesoporous superacid catalyst based on zirconium and titanium dioxides	Institute for Sorption and Endoecology problems NASU; Kyiv	Strelko Volodymyr	\$180,000							US:1 Canada:1 EU:1
3113	Environmental management strategy for radioactively contaminated soils and dumps in the near-zone of ChNPP	Institute of Geological Sciences; Kiev	Bugay Dmytro	\$180,000							US:2 Canada:2 EU:1
3119	DEVELOPMENT of HIGH-SENSITIVE ACTIVE ELEMENTS for HUMIDITY SENSORS □ BASED on ALUMOMAGNESIUM CERAMICS with SPINEL STRUCTURE	Scientific Research Company "Carat"; Lviv	Vakiv Mykola	\$68,400		\$10,000	€49,949		\$10,000	\$ 10000 € 49949	US:1 Canada:5 EU:5
3124	Development of Processing Technology for Solid Alloys Obtained at Utilization of Ammunition with Pilot Installation Creation	State Plant "Pridneprovsky Hydrometallurgical Plant"; Dnieprodzerzhinsk	Korovin Vadim	\$166,950							US:1 Canada:1 EU:1
3125	Development of the Methods and Creation of the apparatus for Ecologically threatening Phenomena Detection	Carpathian Branch of the Institute of Geophysics of S.I.Subbotin; Lviv	Deshchytsa Stepan	\$110,000							US:1 Canada:1 EU:1
3129	High-performance spectrometric g-radiation detection blocks for unauthorized radioactive substances radiation monitoring systems	Institute for Single Crystals, STC "Institute for Single Crystals"; Kharkiv	Nekrasov Vasil'	\$170,000							US:1 Canada:1 EU:1
3135	Reasons of Schizophrenia & Alcoholism and the Development of Optical Spectral Methods in Diagnosing these Diseases	Institute of Physical Optics; Lviv	Vlokh Rostyslav	\$150,147							US:1 Canada:1 EU:1
3138	The definition of geological structure of deposits and elaboration of technologies of intensification of hydrocarbon extraction.	Institute of Geophysics after S.I.Subbotin; Kyiv	Nagorniy Volodymyr	\$199,000			€169,564			€ 169564	US:1 Canada:1 EU:5

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3139	Modified flavonoids - the way to the creation of hypoglycemic drugs of new generation	Kyiv national Taras Shevchenko university; Kyiv	Khilya Volodymyr	\$190,000							US:1 Canada:1 EU:1
3140	Development and Implementation of Regional Monitoring System for Demand and Supply of High-Tech Production	Zakarpattia Center of Science-technology and Economy Information; Uzhgorod	Popadinets Vasyl	\$209,900							US:1 Canada:1 EU:1
3144	THE DEVELOPMENT OF MAGNETOELASTIC SHAPE MEMORY MATERIAL FOR A NEW CLASS OF ACOUSTIC TRANSFORMERS	Institute of Magnetism NAS of Ukraine; Kiev	Pogorily Anatoly	\$117,750							US:1 Canada:1 EU:1
3147	Elaboration of a System for Drug-Design and Selection of Effective Antiherpetic Preparations Using Modern Computer Technologies	I.I.Mechnikov Ukrainian Anti-Plague Research Institute; Odessa	Boschenko Yuriy	\$183,320							US:4 Canada:4 EU:1
3148	Experimental investigation the heat transfer in horizontal channels cooling by Freon at near-critical and supercritical pressures	National Technical University of Ukraine "Kiev Politechnic Institute"; Kiev	Bezrodnyy Mykhaylo	\$62,500							US:1 Canada:1 EU:1
3151	Technological Fundamentals Of W-181, Pd-103 And Re-186 Isotopes Production For Nuclear Medicine Using Electron Accelerator	National Science Center "Kharkov Institute of Physics & Technology" (NSC KIPT); Kharkiv	Uvarov Vyacheslav	\$172,000							US:1 Canada:1 EU:1
3152	Broadband small-size microwave and millimeter wave antennas	Institute of Radiophysics and Electronics NAS of Ukraine; Kharkov	Ivanchenko Igor	\$90,000							US:1 Canada:1 EU:1
3158	Development of the physical concept of intense compact quasi-monochromatic X-ray source based on Compton scattering	National Science Center Kharkov Institute of Physics and Technology, NSC KIPT; Kharkiv	Karnaukhov Ivan	\$119,500							US:1 Canada:1 EU:1
3159	Investigation of effects of bombardment by hydrogen ions on optical properties of beryllium mirrors.	National Science Center "Kharkov Institute of Physics and Technology"; Kharkiv	Voitsenya Volodymyr	\$80,000							US:1 Canada:1 EU:1
3161	Innovative Water Purification Method And Devices	Ukrainian State Chemical Technology University; Dnepropetrovsk	Gevod Viktor	\$174,000							US:1 Canada:1 EU:1
3165	DEVELOPMENT OF METHODOLOGY AND INSTRUMENTATION FOR MULTI-PARAMETRIC TOMOGRAPHY OF EARTHQUAKE HAZARDOUS ZONES	Lviv Center of Institute of Space Research; Lviv	Korepanov Valery	\$195,090							US:1 Canada:1 EU:1
3167	The estimation of ecological harm from impact of dangerous objects to environment for Sebastopol region	Taras Schevchenko Kiev National University; Kiev	Kutlakhmedov Yuriy	\$255,600							US:1 Canada:1 EU:1
3175	Global electromagnetic resonators as space weather indicators	Institute of Radio Astronomy; Kharkov	Sinitsin Victor	\$180,000							US:1 Canada:1 EU:1

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3178	MULTILAYERED FERROELECTRIC-MAGNETIC NANOSTRUCTURES AS A BASIS FOR NOVEL FUNCTIONAL ELEMENTS OF ELECTRONIC DEVICES	Institute of Magnetism; Kyiv	Pogorily Anatolii	\$198,000		\$15,000	€156,212		\$15,000	\$ 15000 € 156212	US:1 Canada:5 EU:5
3180	Development of perturbation theory for pseudo-inverse operators and its application in creation of new information technologies	Kyiv National Taras Shevchenko University; Kyiv	Garashchenko Fedir	\$190,000							US:1 Canada:1 EU:1
3181	CELLULAR AND MOLECULAR MECHANISMS OF INTERACTION OF POTATO PLANT WITH PHYTOPHTHORA INFESTANS PATHOGENIC FUNGI IN MICROGRAVITY	Institute of Botany; Kiev	Nedukha Olena	\$90,000							US:1 Canada:1 EU:1
3184	Supersensitive magneto-electro-cardiographic system for diagnostic examinations based on physical problems in clinical medicine	V.M.Glushkov Institute of Cybernetics; Kyiv	Voytovych Igor	\$279,781							US:2 Canada:2 EU:1
3187	Grounds for Radioactive Wastes Disposal within Eastern Part of Korostensky Crystalline Massif (Field and Model Studies)	Radioecological Center, NAS of Ukraine; Kyiv	Rudenko Yuriy	\$252,746							US:1 Canada:1 EU:1
3190	Development and testing of shock-resistant radiation-absorbing composite ceramics for space and ground application.	Frantsevich Institute for Problems of Materials Science, National Academy of Sciences of Ukraine; Kiev	Grigoriev Oleg	\$172,800							US:1 Canada:1 EU:1
3196	Study and Development of Liquid Radioactive Waste Treatment Technological Principles by means of Sorbents.	Scientific - Research Centre "Sorbition"; Kyiv	Dedenko Ivan	\$170,000							US:1 Canada:1 EU:1
3210	Multidetector technique for investigation of a silicon microstrip detectors long-term stability	National Science Center Kharkov Institute of Physics and Technology; Kharkov	Maslov Nikolai	\$94,782							US:2 Canada:2 EU:1
3226	Development of the technology for production of semi-conducting silicon carbide substrates for creation of optical mirrors	Special Design and Technological Bureau with Pilote Production of the Institute of Semiconductor Physics NAS Ukraine; Kiev	Maslov Vladimir	\$198,000							US:1 Canada:1 EU:1
3234	Reasonable constructive techniques for suppression of oscillations in transport systems with movable liquid and elastic elements	Інститут механіки ім С.П. Тимошенка; Київ	Zakrzhevskyy Olexandr	\$125,000							US:1 Canada:1 EU:1
3235	Development of the Technology for Production of Briquettes and Pellets from Combustible Agricultural Waste	The Institute of Engineering Thermophysics; Kyiv	Protsishin Borys	\$123,588							US:1 Canada:1 EU:1
3248	Development of the technology and equipment for biogas component separation by freezing carbon dioxide method	National Science Center "Kharkov Institute of Physics & Technology" (NSC KIPT); Kharkiv	Khazhmuradov Manap	\$76,800							US:1 Canada:1 EU:1

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3256	Development of technology of non-destructive testing defectness and stresses in space engineering objects using laser interferometry	E.O.Paton Electric Welding Institute of NAS of Ukraine; Kiev	Lobanov Leonid	\$120,000							US:1 Canada:1 EU:1
Subtotal Regular Ukrainian Projects Approved:											
				\$25,139,473	\$1,470,928	\$100,000	€467,179	\$145,000	\$1,715,928	\$ 1715928 € 467179	
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:4 Canada:4 EU:1
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:2 Canada:2 EU:1
3024	Biotechnological important terapyrroles of propionic bacteria are isolating in Uzbekistan	Institute of Microbiology ; Tashkent	Gulyamova Toshkhon	\$159,884							US:1 Canada:1 EU:1
3032 (J)	Diagnostic complex for thermal monitoring and gas - analysis of the state of main gas- and oil-pipelines	Institute of Physics of National Academy of Sciences of Ukraine; Kiev	Puchkovskaya Galina	\$366,033							US:1 Canada:1 EU:1
3067 (J)	Development of method and instruments for hydrogen isotopes depth concentration analysis in materials of nuclear technology	Institute of Nuclear Physics; Tashkent	Artemov Sergey	\$179,485			€152,935			€ 152935	US:1 Canada:1 EU:5
3075 (J)	Development of energy saving heliotechnological complexes based on the semiconductor solar batteries of new generation	Institute of Semiconductor Physics; Kyiv	Litovchenko Vololodymyr	\$250,000							US:1 Canada:1 EU:1
3080 (J)	Development of the New Bio-compatible Coatings, Based on Fluorocontaining Polyuretane, for Intravascular Stents	Institute of Physics; Kiev	Soloshenko Igor	\$254,824							US:1 Canada:1 EU:1
3081	Spectroscopic Information & Bound State Potential of Mirror Nuclei and Rates of Astrophysica (p,gamma) Reactions	Institute of Nuclear Physics; Tashkent	Artemov Sergey	\$234,000							US:1 Canada:1 EU:1
3086	Working out of ELISA kit for detecting of antibodies to Trepanema pallidum.	Institute of Genetics and Plant Experimental Biology	Azimova Shakhnoz	\$184,089	\$184,089				\$184,089	\$ 184089	US:5 Canada:2 EU:2
3112 (J)	The nanostructures creation on the base of water-soluble polymers and their mixtures	Institute of Macromolecular Chemistry, National Academy of Sciences of Ukraine; Kiev	Lipatov Yuri	\$238,200							US:2 Canada:2 EU:1
3142	Development of novel porous glass-ceramics composites for thermal insulation and fire protection purposes	Scientific Research Institute of Space Engineering; Tashkent	Tulyaganov Dilshat	\$104,600							US:1 Canada:1 EU:1
3149 (J)	Plasma-chemical technology for obtains of hydrogen from hydrocarbon-containing wastes.	Institute of Mechanical Engineering Problems of NAS of Ukraine; Kharkiv	Solovey Viktor	\$184,952							US:1 Canada:1 EU:1
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:1

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3173	DEVELOPMENT OF NEW INFORMATION TOOLS FOR DETERMINATION OF THE QUALITY OF WATERS IN ARAL SEA AREA.	Institute of General and Inorganic Chemistry; Tashkent	Kamilova Elena	\$83,993							US:1 Canada:1 EU:1
3209	Investigation of nonlinear-optical properties of materials in femtosecond regime and frequency tuning of femtosecond laser pulses	Akadempryor Scientific and Technology Association; Tashkent	Usmanov Timurbek	\$189,138							US:1 Canada:1 EU:1
3241	Enantioselective Synthesis of Quinazoline Alkaloid Derivatives and study their biological activity	Institute of the Chemistry of Plant Substances; Tashkent	Buranov Anvar	\$197,715							US:4 Canada:4 EU:1
3274	Development of the technology for producing nanocrystalline oxide powders on the Large Solar Furnace: aluminum oxide.	Institute of Materials Science; Tashkent	Salikhov Temur	\$140,226							US:1 Canada:1 EU:1
3287	Minimizing Effects of Terrorist Acts on Nuclear Energy Stations: Thermal Radiation Properties of Corium.	Institute of Materials Science; Tashkent	Salikhov Temur	\$88,352							US:1 Canada:1 EU:1
Uzb-63	Development of a Vacuum Arc Treatment for Electro-Conductive Material Surface	Institute of Electronics; Tashkent	Pozharov Sergey	\$142,648							US:4 Canada:4 EU:1
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:1
Uzb-82 (J)	Optimizing of Thin-Walled Elements and Elastic-Damper Systems of Cushioned Suspensions of the Aircraft Equipment	Pidgorny's Institute for Problems of Machine Building; Kharkiv	Kantor Boris	\$124,000							US:1 Canada:1 EU:1
Uzb-90 (J)	Sewage Utilization Technology Designing	"Kharkiv Aviation Institute" State Space University; Kharkiv	Ugryumov Mykhaylo L.	\$200,000							US:1 Canada:1 EU:1
Uzb-91	Development of Radioactive sources for the X-Ray Fluorescence Analysis and Control of Technological Processes	Institute of Nuclear Physics; Tashkent	Kim German	\$229,760							US:1 Canada:1 EU:1
Uzb-92 (J)	Control and Monitoring of Toxic Metals Accumulation in Crops	Institute of Physiology; Kyiv	Tyshchenko Olena	\$73,140							US:1 Canada:1 EU:1
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:1
Uzb-96	Search and Investigation of Modes of Supersymmetrical Fission of Actinide Atomic Nuclei	Institute of Nuclear Physics; Tashkent	Koblik Yuriy N.	\$87,740	\$87,740				\$87,740	\$ 87740	US:5 Canada:2 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:1
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:1

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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:2 Canada:2 EU:1
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:4 Canada:4 EU:1
Uzb-113	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:1
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	\$70,664				\$70,664	\$ 70664	US:5 Canada:2 EU:2
Uzb-120	Systems for Purification of Drinking Water	Institute of Nuclear Physics; Tashkent	Khaydarov Rashid	\$142,620							US:1 Canada:1 EU:1
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	\$283,335				\$283,335	\$ 283335	US:5 Canada:2 EU:2
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:1
Uzb-131 (J)	Neutron Diffraction Study of Thermo- and γ -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	\$271,200				\$271,200	\$ 271200	US:5 Canada:2 EU:2
Uzb-133	The new approach to studying physics of solar - atmospheric relations and extreme ecological phenomena on the basis of the hypothesis of non-local interaction of dissipative processes	Bugaev V. A. The Central Asian research and development hydrometeorological institute ; Tashkent	Arushanov Mihai L.	\$149,107							US:1 Canada:1 EU:1
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:2 Canada:2 EU:1
Uzb-136	Production and Technology of Protective Films and Coatings Based on Ion Implantation and Investigation of their Properties	"Academprobor", Donetsk State University	Bazhin Anatoliy	\$150,000	\$150,000				\$150,000	\$ 150000	US:5 Canada:2 EU:2
Subtotal Regular Uzbek Projects Approved:											
				\$6,800,715	\$1,047,028	\$0	€152,935	\$0	\$1,047,028	€ 152935	
3054 (J)	Two-colour laser projection screen on the basis of doped \square cholesteric liquid crystals	Institute of Physics of National Academy of Sciences of Ukraine; Kyiv	Ilchishin Igor	\$198,780							US:1 Canada:1 EU:1
3137	Fabrication, Testing and Techno-Economic Comparison of Novel Photovoltaic Modules with Different Optical Concentrators	Scientific Research Institute "OPTICA"	Avaliani Jemal	\$48,000							US:2 Canada:2 EU:1

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4. Other - See Comments
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6. PDG paragraph needed.

#	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
3143 (J)	Development of the new biological active polymeric materials for medicine	Institute of Macromolecular Chemistry; Kiev	Galatenko Natalia	\$360,000							US:1 Canada:1 EU:1
3154	Development of Basics, Methods, Technical Facilities for Evaluation of Human in Unfavorable Ecological Conditions Adaptation Processes	Tbilisi State Medical University; Tbilisi	Djaini Sergo	\$188,000							US:2 Canada:2 EU:1
3163 (J)	Special purpose polymer composites from petroleum products, mineral raw materials, industrial or post-consumer waste from Transcaucasus	Institute of Macromolecular Chemistry; Kyiv	Fainleib Oleksandr	\$260,000							US:1 Canada:1 EU:1
3014	Novel oxygen-, nitrogen, chalcogen-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:2 Canada:2 EU:1
3133	Solitons and Breathers in Condensed Media	Georgian Technical University; Tbilisi	Adamashvili Guram	\$100,000							US:2 Canada:2 EU:1
3137	Fabrication, Testing and Techno-Economic Comparison of Novel Photovoltaic Modules with Different Optical Concentrators	Scientific Research Institute "OPTICA"; Tbilisi	Avaliani Jamal	\$48,000							US:2 Canada:2 EU:1
3265	Fabrication New Functionally Gradient Materials (FGM) by Self-Propagated High-Temperature Synthesis Technology	Institute of Metallurgy and Materials Science	Oniashvili Giorgi	\$124,646			€106,208			€ 106208	US:1 Canada:1 EU:5
3285	A new experimental approach to the problem of insomnia	Georgian Sleep Research Institute; Tbilisi	Eliozishvili Marine	\$300,000							US:1 Canada:1 EU:1
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:2 Canada:2 EU:1
Gr-70	Development and Manufacture of an Experimental Prototype for a Highly-Effective Desalination Installation	"Pivdenne" State Design Bureau	Bidniak Leonid	\$100,000							US:2 Canada:2 EU:2
Gr-76 (J)	Development of Conductive Compounds Based on Thermosetting Polymers	Pivdenne State Design Bureau; Dnipropetrovsk	Borya Alexander	\$128,710							US:2 Canada:2 EU:2
Gr-79 (J)	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	\$195,000							US:1 Canada:1 EU:1
Gr-88	Development of a Mobile Arc Plasma Apparatus for Fusing of Hard Materials	Institute of Mining Mechenics; Tbilisi	Gelenidze Medgar	\$273,850							US:2 Canada:2 EU:1
Gr-87 (J)	Elaboration and Investigation of High-Effective SI-GE System Alloys	"Pivdenne" State Design Bureau; Dnipropetrovsk	Givotov Iuri	\$149,730							US:1 Canada:1 EU:1

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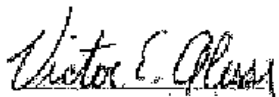
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Gr-94 (J)	Development of Technology for Manufacture Heatproof Ceramic Elements of High Temperature Gas Turbines	"Pivdenne" State Design Bureau; Dnipropetrovsk	Shnyakin Volodymir	\$120,000							US:1 Canada:1 EU:1
Gr-95 (J)	Technology and Equipment for Production Prepregs from Various Fillers by Method of "dry" infiltration	Ukrainian Scientific Research Institute of Engineering Technologies; Dnipropetrovsk	Zheltov Pavlo M.	\$195,000			€106,208			€ 106208	US:1 Canada:1 EU:5
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:1
Gr-100	Brazing Technology of Metals to Ceramics	Georgian Technical University; Tbilisi	Okrosashvili Michael	\$159,900							US:2 Canada:2 EU:1
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:1
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:2 Canada:2 EU:1
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:2 Canada:2 EU:1
Gr-115	Creation and study of antimicrobial, antifungal composite using biodegradable polymer as a matrix	G.Eliava Institute Bacteriologie Microbiology and Virology	Gordshvili Marina	\$200,000	\$200,000				\$200,000	\$ 200000	US:5 Canada:2 EU:2
Gr-116	Liquid Crystal Laser	Institute of Cybernetics; Tbilisi	Tsintsadze Givi	\$94,000							US:2 Canada:2 EU:1
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:2 Canada:2 EU:1
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	Kochlamazashvili Avtandill	\$195,029							US:2 Canada:2 EU:1
Gr-126	Explosive Fabrication of Novel Materials from Nanocrystalline Powders	Institute of Mining Mechenics; Tbilisi	Chikhradze Nikoloz	\$123,350							US:1 Canada:1 EU:1
Subtotal Regular Georgian Projects Approved:											
				\$4,923,857	\$200,000	\$0	€212,416	\$0	\$200,000	\$ 200000 € 212416	
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		€(19,500)		\$22,500	\$ 22500 € -19500	US:5 Canada:2 EU:5
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		€(17,500)		\$20,000	\$ 20000 € -17500	US:5 Canada:2 EU:5

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Subtotal NASA/NSAU Projects Approved:				\$85,000	\$42,500	\$0	€(37,000)	\$0	\$42,500	\$ 42500 € -37000	
Subtotal Regular Projects Approved:				\$36,949,045	\$2,760,456	\$100,000	€795,530	\$145,000	\$3,005,456	\$ 3005456 € 795530	
P003e	Scientific Protocol for the Study of Leukemia and Other Hematological Diseases Among Clean Up workers in Ukraine Following Chernobyl Accident	Center for Radiation Medicine of AMSU	Prof. Romanenko Anatoliy Yuhimovich	\$165,892	\$165,892				\$165,892	\$ 165892	US: Canada: EU:
P034d	Institute of Nuclear Research, NAS of Ukraine	Energetic Ions in Toroidal Fusion Devices	Kolesnichenko Yaroslav	\$40,496	\$40,496				\$40,496	\$ 40496	US: Canada: EU:
P064a	Development of Advanced Grinding Technology for Biomass Material	Texmet Scientific and Manufacturing Company	Soroka Petro Ginatovich	\$25,000	\$25,000				\$25,000	\$ 25000	US: Canada: EU:
P089a3	Advanced Welding and Fabrication Techniques for Al-Li Alloys	Paton Welding Institute of NASU	Orsa Yuriy Victorovich	\$13,000	\$13,000				\$13,000	\$ 13000	US: Canada: EU:
P090	Development of Spring and Winter Wheat Lines resistant to Fusarium	Plant Breeding & Genetics Institute	GGarri Kostandi	\$50,083		\$50,083			\$50,083	\$ 50083	US: Canada: EU:
P095a	Application of Europium for Gamma Irradiation in Ukraine and Russia	Ukrainian-Russian Joint Stock Company GAMMATECH Ltd.	Victor Tkachenko	\$35,000	\$35,000				\$35,000	\$ 35000	US: Canada: EU:
P109a	Solving of the Boundary Problems on Stress-Strained State and Dynamic Characteristics of the Complex Shape Shells - Pneumatic Tires on the Basis of Different Models.	Institute of Mechanics	Grigorenko Yaroslav Michaylovich	€15,000			€15,000			€ 15000	US: Canada: EU:
P110	Micro-mechanics of Fiber Reinforced Bounded and Unbounded Solids: Effective Local and Non-local Thermo-elastic Properties, Stress Concentration Factors and Edge Effect.	Institute of Mechanics	Maslov Boris Petrovich	\$85,000	\$85,000				\$85,000	\$ 85000	US: Canada: EU:
P122	Development of Management Strategies for the Control of the Turkestan Termite, a Major Risk to Cultural Heritage in Central Asia	Institute of Zoology, Uzbek Academy of Sc.	Khamraev A.Sh.	\$291,321	\$291,321				\$291,321	\$ 291321	US: Canada: EU:
P126	Flash Butt Welding of Ring Frames	State Enterprise "Production Association Pivdenny Machine-Building Plant"	Rzhanov Boris Pavlovych	\$67,000	\$67,000				\$67,000	\$ 67000	US: Canada: EU:

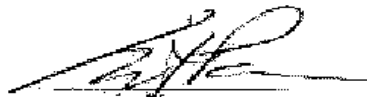
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P129	Improvement of Cotton and Other Crop Varieties on Tolerance to Wilt, Salinity, Drought, Increasing Earliness and Fiber Quality	Institute of Genetics and Plant experimental Biology of the Academy of Sciences of Republic of Uzbekistan	Shadmanov Rustam	\$299,998	\$299,998				\$299,998	\$ 299998	US: Canada: EU:
P137	High temperature magnetic shape memory Ni-Mn-Ga alloys for a new class of actuators and sensors	Institute of Metal Physics of NASU	Nadiya Ivanivna Glavatska	\$90,000	\$90,000				\$90,000	\$ 90000	US: Canada: EU:
P145	Development of advanced graded erosion-resistant and thermal barrier coatings with prototypes of EB-PVD equipment for Cametoid Limited	International Center for Electron Beam Technologies of Paton Welding Institute of NASU	Yakovchuk Konstantin Yuvenaliyovich	\$451,292		\$451,292			\$451,292	\$ 451292	US: Canada: EU:
P146	Development of Mathematical Models, Structures of UML Patterns for abstract participants of on-line technology and goods e-commerce projects and software solutions for implementation of these patterns at client and server side of multitier applications	Northeast Centre of Science of NASU	Popov Vladimir Lvovich	\$52,103		\$52,103			\$52,103	\$ 52103	US: Canada: EU:
P147	Development and delivery of a highly productive specialized unit for electron-beam welding and drill bits	Paton Welding Institute of NASU	Nesterenkov V.M.	\$1,200,000	\$1,200,000				\$1,200,000	\$ 1200000	US: Canada: EU:
P148	Research and Development of Medical Software for Palm/PocketPC	International Research and Training Center UNESCO of Information Technologies and Systems NANU and ME	Andrew Plyeshch	\$50,000		\$50,000			\$50,000	\$ 50000	US: Canada: EU:
P150	Doppler Ultrasound Detection System	Kharkiv National University	Evgen Olexandrovich Barannik	\$20,000	\$20,000				\$20,000	\$ 20000	US: Canada: EU:
P151	Improvement Biological Micromanipulator PSF-3 for Patch Clamp Technologies and Manufacturing of Pilot Batch for Marketing Research	Small Scientific Enterprise "Liley" Ltd.	Serhiy Petrenko	\$45,000	\$45,000				\$45,000	\$ 45000	US: Canada: EU:
Subtotal Partner Projects Approved:				\$ 2,981,185 € 15,000	\$2,377,707	\$603,478	€15,000	\$0	\$2,981,185	\$ 2,981,185 € 15,000	
TOTAL:				\$ 39,730,230 € 15,000	\$5,138,163	\$703,478	€810,530	\$145,000	\$5,986,641	\$ 5,986,641 € 810,530	



Mr. V. Alessi
USA
Board Member

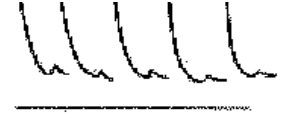
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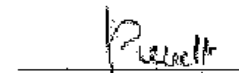
Mr. Y. C. Pan
Canadian
Board Member



Mr. Y. Yatskiv
Ukrainian Board
Member



Mr. O. Q. Trias
Acting EU Board Member
(for the European Commission)



Mrs. J. Brunetti
EU Board Member
(for the EU Presidency)