

**Collaborative Call for Research Project Proposals
with CNES* and NSAU** on Space Technologies 2006
Funded Projects**

| ID | Title | Role | Institution | City | Country |
|--------------|--|---------|--|-----------------|-----------------|
| 1000024-8748 | Structure Optimization of SOFC Based on Scandia Doped Zirconia Ceramics for Space Application | CO | Forschungszentrum Jülich / Projekt Brennstoffzelle, PBZ (Project Fuel Cells) | Jülich | Germany |
| | | Team 01 | Institute of Problems of Material Science of NASU / Department of Physics and Technology of High-Temperature Materials | Kiev | Ukraine |
| | | Team 02 | Université de Technologie de Belfort - Montbéliard / Mechanical and Design Engineering Department | Belfort | France |
| 1000024-8851 | Investigation of the influence of Radio-Frequency power input on performances and physical features of Hall effect thrusters. | CO | Centre National de la Recherche Scientifique (CNRS) / Engineering Department | Orléans | France |
| | | Team 01 | Centre National d'Etudes Spatiales (CNES) / Propulsion, Pyrotechnics, Aerothermodynamics Department | Toulouse | France |
| | | Team 02 | SAFRAN / Plasma Propulsion Unit | Vernon | France |
| | | Team 03 | Moscow Aviation Institute (MAI) / Research Institute of Applied Mechanics and Electrodynamics | Moscow | Russia |
| | | Team 04 | Moscow State University (MGU) / Faculty of Physics | Moscow | Russia |
| | | Team 05 | Moscow State Institute of Radio Engineering, Electronics and Automation / | Moscow | Russia |
| | | Team 06 | Technical University of Eindhoven / Department of Applied Physics | Eindhoven | The Netherlands |
| 1000024-8916 | Advance grooved heat pipe for space satellite thermal control system. | CO | Ecole Nationale Supérieure de Mécanique et Aérotechnique & CNRS / Laboratoire d'Etudes Thermiques UMR 6608 | Futuroscope | France |
| | | Team 01 | Heat and Mass Transfer Institute / Heat Transfer Department | Minsk | Belarus |
| | | Team 02 | National Technical University of Ukraine "Kyiv Polytechnic Institute" / Faculty of Heat Power Engineering | Kiev | Ukraine |
| | | Team 03 | Euro Heat Pipes S.A. / Programmes Department | Nivelles | Belgium |
| | | Team 04 | Alcatel Alenia Space France / Research and Technology Department | Cannes-La Bocca | France |
| 1000024-9075 | Development of new atomic clocks using coherent population trapping resonances excited by an optical frequency comb | CO | University of Latvia / Department of Physics | Riga | Latvia |
| | | Team 01 | Technische Universität Kaiserslautern / Department of Physics | Kaiserslautern | Germany |
| | | Team 03 | Institute of Physics of NASU / Department of Coherent and Quantum Optics | Kiev | Ukraine |
| | | Team 04 | National Science Center "Kharkov Institute of Physics & Technology" / | Kharkov | Ukraine |

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| 1000024-9098 | Study of the multipactor effect in systems with complicated geometries | CO | Chalmers University of Technology / Electrical Engineering and Computer Science Department | Göteborg | Sweden |
| | | Team 01 | Centre National d'Etudes Spatiales (CNES) / Microwave Department | Toulouse | France |
| | | Team 02 | Institute of Applied Physics / Plasma Physics Department | Nizhny Novgorod | Russia |
| | | Team 03 | Institute of Physics of Microstructures / Laboratory of mathematical methods and simulations | Nizhny Novgorod | Russia |
| | | Team 04 | Institute of General Physics, RAS / Plasma Physics Department | Moscow | Russia |
| 1000024-9100 | The model and automated technology for Land Coverclassification (TLLC) | CO | GISAT Ltd / GIS Department | Prague | Czech Republic |
| | | Team 01 | Scientific Centre for Aerospace Research of the Earth, IGS NASU / Geoinformation Technologies in Remote Sensing Department | Kiev | Ukraine |
| | | Team 02 | Dniprococosmos State Company / Remote Sensing & Image Processing Department | Dnepropetrovsk | Ukraine |
| | | Team 03 | United Institute of Informatics Problems of NASB / Image Processing and Recognition Department | Minsk | Belarus |
| | | Team 04 | Danish Institute of Agricultural Sciences / Department of Agricultural Systems | Tjele | Denmark |
| | | Team 05 | Institute of Agroecology of the Ukrainian Academy of Agrarian Sciences / Department of Agroecology | Kiev | Ukraine |
| 1000024-9154 | Data Fusion Grid Infrastructure | CO | Centre National d'Etudes Spatiales (CNES) / | Toulouse | France |
| | | Team 01 | Institute of Informatics, Slovak Academy of Sciences / Department of Parallel and Distributed Computing | Bratislava | Slovakia |
| | | Team 02 | Space Research Institute of NSAU / Department of Space Information Technologies and Systems | Kiev | Ukraine |
| | | Team 03 | Space Research Institute (IKI) / Satellite Monitoring Technologies Department | Moscow | Russia |
| 1000024-9199 | Automatized synthesis of microwave monolithic integrated circuits with spatial and astronomy applications | CO | Université de Limoges & CNRS / C2S2 Department: High Frequency Components Circuits Signals and Systems | Limoges | France |
| | | Team 01 | Tomsk State University of Control Systems and Radioelectronics / Department of Computer Science | Tomsk | Russia |
| | | Team 02 | Netherlands Foundation for Research in Astronomy, ASRON / Research and Development Department | Dwingeloo | The Netherlands |
| | | Team 03 | Centre National d'Etudes Spatiales (CNES) / Microwave Department | Toulouse | France |

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| 1000024-9321 | High performance Rubidium atomic clocks using novel laser-based schemes, optimised buffer gas mixtures and wall-coated cells. | CO | University of Neuchâtel / Time Frequency Laboratory, IMT-LTF | Neuchâtel | Switzerland |
| | | Team 01 | St.Petersburg State Polytechnical University / Theoretical Physics Department | St.Petersburg | Russia |
| | | Team 02 | Federal State Scientific Production Enterprise "Geologorazvedka" / Quantum Engineering Department | St.Petersburg | Russia |
| | | Team 03 | Russian Institute for Radionavigation and Time / Science and Foreign Relations Department | St.Petersburg | Russia |
| | | Team 04 | Centre National d'Etudes Spatiales (CNES) / DCT/RF/HT | Toulouse | France |
| 1000024-9339 | Design and manufacture of heat pipes on the bases of metal-fiber capillary structures with improved thermophysical characteristics for temperature control systems of the prospective space vehicles. | CO | Université Libre de Bruxelles / Microgravity Research Center | Brussels | Belgium |
| | | Team 01 | Liverpool John Moores University / General Engineering Research Institute, James Parsons Building | Liverpool | United Kingdom |
| | | Team 02 | I.N. Frantsevich Institute for Problems of Materials Science of the National Academy of Sciences of U / Department of Powder Metallurgy | Kiev | Ukraine |
| 1000024-9396 | Effect of high anisotropic thermal expansion on structure in the Ni-Mn-Ga-(X) single crystals possessing multifunctional properties | CO | Helsinki University of Technology (TKK) / Department of Materials Science and Engineering | Espoo | Finland |
| | | Team 01 | Ruhr Universität Bochum / Institut für Werkstoffe, Fakultät für Maschinenbau | Bochum | Germany |
| | | Team 02 | Institut Laue-Langevin (ILL) / Diffraction group, (ILL) | Grenoble | France |
| | | Team 03 | Institute of Metal Physics of NASU / Physical Grounds for Design of Steels and Alloys (No.44) | Kiev | Ukraine |

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