

SibFU's researchers get funding to finance priority research projects

Two new grants with the total amount of 13 million roubles were received by SibFU's researchers in the frames of the Federal Programme 'Priority research to develop Russian science and technology, 2007-2013'. The funding was received in June 2013.

Professor **Petr Silchenko** from Polytechnic Institute, SibFU, received funding to work on the project 'Design and nanotechnological solutions to build the parts of precision gear for the microelectromechanical systems of space crafts'

The research findings can be applied to produce the parts of devices to open antennas and space crafts' solar batteries. They can be also applied to adjust and regulate airplane locators.

The project's executive summary says, «*the technology can be applied to produce nano-coating to protect the surfaces of parts, nodes, mechanisms and machines*». The technology is based on plasmochemical equipment built at SibFU to improve the technology.

Another grant holder is Professor **Nikolai Dovzhenko**, Director, Institute of Oil and Gas, SibFU. His project is about the technological solutions to increase the energy efficiency of aluminium electrolyzers. The technology decreases energy costs and it is developed in the frames of technological programme 'Metallurgy materials and technologies'.

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