

# Project 5-100 Digest



*Per Aspera in Repertorium*

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## Breaking news



### **Project 5-100 participants create a single center for international student recruitment**

The university-participants in Project 5-100 have decided to set up a single center for international student recruitment within the framework of the Association "Global Universities". The establishment of the new center, and its various functions, will be coordinated by the Ural Federal University. The new center will enable the united team to focus on marketing Russian education programs and work with potential students from different countries.

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### **Dmitry Livanov and Denis Manturov summed up the results of two years of implementing of the program for the engineering centers creation and development on the basis of the leading Russian technical universities**

On January 23 the Minister of Education and Science of the Russian Federation Dmitry Livanov together with the Minister of Industry and Trade Denis Manturov visited SPbPU where they held a working meeting "Implementation of the projects on creation and development of the engineering centers on the basis of higher education organizations".



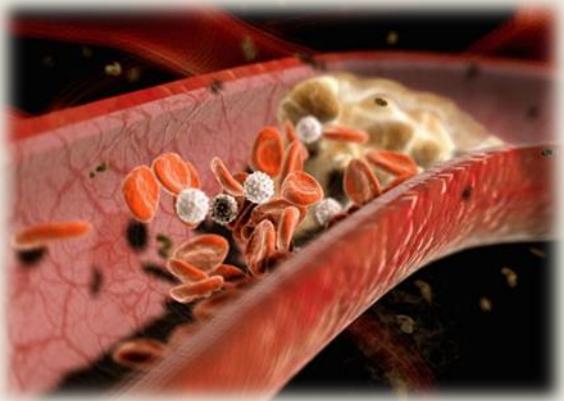
## What's new with you?



### **UrFU students will gain the skills of Big Data Analytics**

The Department of Big Data Analytics and Methods of Video Analysis, the basic department of "Data Center Automation" of UrFU Institute of Radio Engineering and Information Technologies is ready to enroll students. The main activity of the department is focused on research and practical application of the technologies and the concept of Data Mining in metallurgy, transportation and other industries.

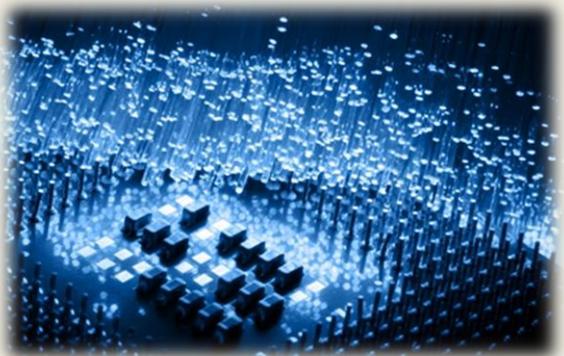
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### **Composite nanomaterial to treat atherosclerosis developed by TPU scientists**

An original technology to treat atherosclerosis, complementing heart bypass surgery, has been developed by Tomsk Polytechnic University scientists along with the Institute of Cardiology. A unique composite nanomaterial obtained in TPU will help fight the main cause of heart attacks, strokes and other serious diseases of the cardiovascular system - atherosclerotic plaques.

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### **ITMO University partners with Scientific & Technical Conference on Composite Materials Quality Control**

The Remote Scientific Conference was held by the Russian Society for Non-Destructive Testing and Technical Diagnostics (RSNTTD) simultaneously on three sites: the Engineering Design Center for Space Technology Operational Support, the St. Petersburg University of Mines and the Belarus-Russian University in Mogilev. Conference participants are experts of universities, design bureaus and industrial enterprises.

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### **Speed, Power and Intelligence: Robot Battles at MIPT**

An open competition in robotics with more than 50 participants took place for the first time at MIPT on 4 January 2015. Participants of different ages from schools, colleges and universities of Moscow, Moscow Region and Rostov Region gathered to match the speed, power and intelligence of their robots. In all, the event attracted more than 50 contestants. The competition included participants with various levels of training and was held in seven different categories.

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### **Massachusetts Institute of Technology students arrive in MISiS**

On 14 January two joint projects for robotics and hi-tech entrepreneurship organized by MISiS and the Massachusetts Institute of Technology (MIT) took off in Moscow. 7 MIT, 26 MISiS and 10 Skolkovo Institute of Science and Technology (Skoltech) students are currently taking part in the projects. MIT has provided several software start packages especially for the project.



### **SSAU develops cooperation with the world's leading technology corporations**

Representatives of Samara State Aerospace University and the company Alcoa summed up the first phase of the joint research and educational programs. At the request of the company, Samara State Aerospace University conducts research in the field of magnetic-pulse technology of cutting, forming and assembly, as well as creates a magnetic pulse installation that will be used in production.

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### **FEFU robotics student named student of the year in the sphere of information security**

Gleb Shestopalov – a sixth year student in FEFU – won “Student of the Year” award in the sphere of information security at the contest “Infoforum-New Generation”. Since March 2014 Shestopalov and his colleagues have been working on a government assignment conceived by the Ministry of Education and Science of the Russian Federation on the topic “Research, modeling and development of technology for underwater acoustics and robotics”.



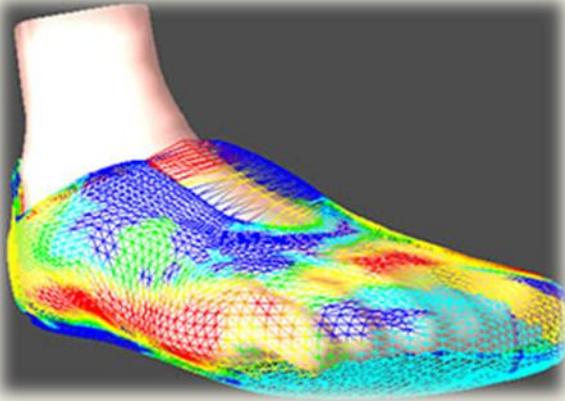
### **International students of TSU’s Faculty of philology became the winners of the online Festival of friendship**

Each year, Moscow State University holds the international Online Festival of Friendship “I do not know another country of this kind...”, in which participate students (undergraduate and graduate), PhD candidates, and interns who study Russian as a second or foreign language. International students of TSU’s Philology Faculty take part in the Festival each year, and this time three international students became winners. [Read more...](#)



### **Comet Lovejoy: NSU astronomers obtain gorgeous images**

The newfound comet, officially known as Comet Lovejoy C/2014 Q2, was first spotted by Australian amateur astronomer Terry Lovejoy last August. Comets are automatically named after the person who discovers them, and this is Lovejoy's fifth comet discovery to date. Astronomers from NSU Observatory snapped some shots of this incredible comet with radiant green light. The comet has magnitude 3.8 and measures about 2/3 of M31 (Andromeda Galaxy). [Read more...](#)



### **SPbPU researchers create virtual shoe try-on technology**

Scientists from the Saint Petersburg Polytechnic University are certain that the problem of shoe fitting “by eye” will be solved very soon – they are working on a project of a “virtual fitting room” - the service Fitanny. The Fitanny team is comprised of Russian and US entrepreneurs and scientists from St. Petersburg Polytechnic University. They are specialists with many-years experience in the sphere of 3D-modelling, computer graphics and commercialization of cloud solutions.



### **KFU scientists have created an innovative Wi-Fi antenna**

Innovative fractal antenna providing high-quality Wi-Fi connection was created by KFU engineers of Higher School of Information Technologies and Information Systems on the platform of the American corporation Cisco. KFU engineers managed to create the antenna which is 3 times smaller than the standard one so that it has the same characteristics with triple economy of the materials costs. Cisco is planning to set up the production in Russia.

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### **President of Maastricht University became the Head of UNN International Council**

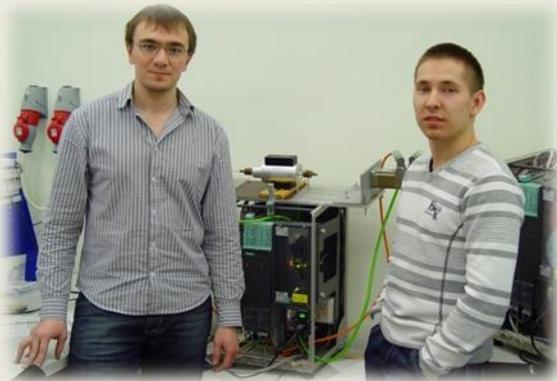
Prof. Dr. Martin Paul, President of Maastricht University became the Head of the International Council of Lobachevsky State University of Nizhni Novgorod. He the president of German Society of Experimental and Clinical Pharmacology and Toxicology (DGPT), the Chairman of the European Council for Cardiovascular Research (ECCR) and an elected member of the Netherlands Academy of Technology and Innovation (ActI).

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### **MEPhI Nano-bioengineering Lab project wins "Research and Development" contest**

The MEPhI Nano-Bioengineering Lab project "Development of new nanoprobe for molecular visualization with the use of quantum dot conjugates fluorescing in infrared spectrum and single-domain antibodies" has won the Federal contest "Research and Development". This project entails cooperation with the university POSTECH (Pohang University of Science and Technology), based on student and researcher exchange with one of the leading Asian universities.



### **In LETI unique "able to see" robots are created**

Postgraduate students ETU "LETI" Mikhail Kopychev and Konstantin Ignatyev became authors of a new approach to creation of mobile robots. The independent three-wheeled machine developed by young specialists possesses computer sight that allows it to distinguish images to overcome obstacles. Unique properties of the robot open fine prospects to its use in the most different areas, so far it is actively used in educational process.



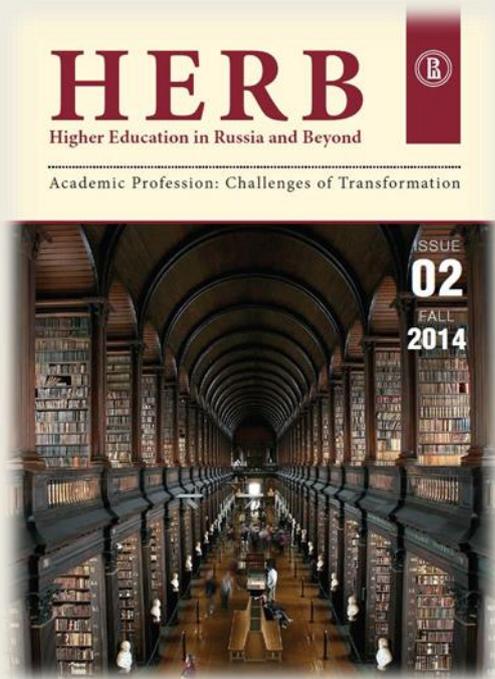
### **HSE representative is appointed to the Panel of Eminent Persons on European Security as a Common Project**

Chairman of the OSCE Didier Burkhalter proposed that Sergey A. Karaganov, Dean of HSE's Faculty of World Economy and International Affairs and Honorable Chairman of the Presidium of the Council for Foreign and Defence Policy, should be included in the High-level Panel of Eminent Persons on European Security as a Common Project. The Panel's first working meeting will be at the Munich Security Conference in February this year.

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## Project related news



### **Second issue of the Bulletin «Higher Education in Russia and Beyond» («HERB»)**

The second issue of the English-language Bulletin dedicated to problems of higher education «Higher Education in Russia and Beyond» («HERB») has been published recently. The Bulletin is aimed at bringing current Russian, Central Asian and Eastern European educational trends to the attention of the international higher education research community. «HERB» is a supplement to the journal “International Higher Education” which has been published by the Higher School of Economics – a participant in Project 5-100 - since 2014 in partnership with the Center for Institutional Studies (Boston College, USA).

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