

# Project 5-100 Digest



*Per Aspera in Repertorium*

February, 2015

 [facebook.com/5top100](https://facebook.com/5top100)

 [twitter.com/5top100](https://twitter.com/5top100)

 [instagram.com/project5\\_100](https://instagram.com/project5_100)

 [www.5top100.ru](http://www.5top100.ru)

 [5-100@5top100.ru](mailto:5-100@5top100.ru)

 +7 499 2715572



# Project news



## **Project 5-100 seminar-conference in Tomsk**

The geography is ever expanding when we speak of the seminar-conference to discuss the realization of the roadmaps set by the university-winners: on 12-13 February, Project 5-100 participants met in Siberia for the first time – the seminar was hosted by the Tomsk State and Tomsk Polytechnic universities respectively. The first day of the seminar took place at Tomsk State University. Approximately 250 people participated in the discussion panel. On 13 February the attendees of the seminar moved to Tomsk Polytechnic University.

[Read more...](#)



## **Project 5-100 took part in the 12 Krasnoyarsk Economic Forum**

On 26-28 February this year 12 Krasnoyarsk Economic Forum (KEF) took place under the patronage of the Government of the Russian Federation. On the 27th of February representatives of the Project 5-100 Office and universities, involved in the Project, participated in the brainstorm “Russian educational environment: strategy competition” which was a part of the KEF business program. Besides, Project’s 5-100 booth was represented at the annual Expo, that is also a part of the Forum.

[Read more...](#)

# News of the universities



## **HSE Expands Transfer Opportunities for International Students**

Beginning February 9, students from foreign universities will be able to transfer to the Higher School of Economics. This development applies to all HSE campuses. Enrolment decisions for students wishing to transfer to HSE from foreign institutions are made on the basis of an academic review. The level of students' training will be considered along with the content and quality of the courses they have taken.

[Read more...](#)



## **Prize of RF Government in the Field of Science and Technology 2014 Was Awarded to Young TPU Scientists**

The prize was awarded to the team of scientists: associate professor D. Sonkin; A. Fadeev, head of the Department of automatics and computer systems; T. Gazizov, associate professor of TSPU; A. Shemyakov, deputy vice-rector of the Moscow Aviation Institute. Supervisor of the team is Professor Nikolai Markov, head of the Department of Computer Engineering of TPU.

[Read more...](#)



## **Laboratory of Computer Mathematics to be created in LETI**

Bruno Buchberger, professor of Computer Mathematics of Johannes Kepler University (Austria) visited LETI. The meeting finished with signing of Cooperation Agreement between ETU and Research Institute for Symbolic Computation at the University of Johannes Kepler providing the establishment of LETI laboratory of Computer Mathematics, conducting of joint research, and mutual visits of professors, exchange of students.

[Read more...](#)



### **MIPT Scientists Participate in Second Phase of the GERDA Experiment**

Scientists from MIPT are among those currently working in the GERDA experiment, which is aimed at searching for neutrinoless double beta decay of Ge-76 nuclei. Experimental data on neutrinoless double beta decay, as well as neutrino oscillations, are key to understanding the nature of weak interactions. The process of neutrinoless double beta decay is possible if the neutrino can be its own antiparticle, i.e. has “majorana” properties.

[Read more...](#)



### **Young Scientists from MISiS Win Government Awards in the Field of Science and Technology 2014**

Alexei Afanasyev, Andrei Ignatov, Olga Krivolapova and Elena Tarasova won a Russian Government award in the sphere of science and technology for young scientists. These young scientists were honored for their new metallurgical technology for obtainment of fibrous magnetized materials used to make innovative fabrics for protecting humans from environmental hazards.



### **International Experience of Quality Control in Education Analyzed in Saint Petersburg Polytechnic University**

Improvement of the quality of internal and networking university programs was discussed during a practical seminar “Creation of a quality control system in a university: analysis of international strategies and models”. The seminar was conducted by an international expert consultant in the sphere of modernization of higher education – E. Kamenskaya.



### **TSU will train in finance on the international level in conjunction with the University of Coimbra (Portugal)**

The Higher School of Business is offering a double-degree master's program in finance in the framework of the TEMPUS project "Strengthening Higher Education in the Sphere of Finance in Siberia and the Far East of Russia", coordinated by Tomsk State University. The program will be implemented jointly with the University of Coimbra (Portugal). A strong demand for training in this sphere arises in a constantly changing environment of legislation and economic instability.

[Read more...](#)



### **FEFU scientists move to preclinic trials of Alzheimer's disease**

The team of scientists of the Far Eastern Federal University commences preclinical trials of a new Alzheimer's disease medication. The related activities are carried out within the framework of the Federal Purpose-Oriented Program «Development of Pharmaceutical and Medical Industry» in cooperation with the Chemical Diversity Research Institute of the High-Technology Center «HimRar» that is a world leader in medication development field.

[Read more...](#)



### **NRNU MEPhI held International Conference on Photonics and Information Optics**

NRNU MEPhI has held the IV International Conference on Photonics and information optics. It was organized both by the University and the Russian Academy of Sciences. The conference had the following topics: coherent and nonlinear optics, fiber and integrated optics, optics of crystals and acousto-optics, interaction of radiation with matter and optical materials, holography and digital optics, optical communication and optoelectronic information processing.

[Read more...](#)



### **UrFU will cooperate with the leading Japanese manufacturer of equipment for industrial automation**

Ural Federal University continues to contribute to the solution of problems of the real sector of the Ural economy. An important step in this direction will be a partnership with the world's leading manufacturer of equipment for industrial automation, the company "FANUC". The relevant agreement was signed on February 10 by the Rector of Ural Federal University, Victor Koksharov, and CEO of "FANUC", Marco Delaini.

[Read more...](#)



### **In SSAU the Russian-Chinese laboratory "Space Cable Systems" established**

Scientists of the Department of Space Engineering in Samara State Aerospace University, together with Chinese colleagues from the Institute of Automation in Northwestern Polytechnical University will be engaged in researches in the field of space cable systems. A joint Russian-Chinese Laboratory led by Sergey Ishkov, Professor of SSAU and Wang Wei, Professor of NWPU, is created for that purpose.

[Read more...](#)



### **ITMO scientists have created completely new nanocomposites**

An article, which is based on research started a few years ago by Alexander Vinogradov and Vladimir Vinogradov together with a group of authors from The Institute of Solution Chemistry (ISC RAS) in Ivanovo, was published in February in The Journal of Physical Chemistry C. Nanocomposites based on solid solutions were first obtained in the experiments today. These solutions contain copper and nickel particles and have unique optical and magnetic properties.

[Read more...](#)



### **UNN and Turkey's Pamukkale University Agree Partnership**

Lobachevsky State University of Nizhni Novgorod and Pamukkale University have announced a partnership to intensify cooperation and regular contacts, providing each other support for the introduction of lectures in the other country's language and English. In December 2014, they signed a protocol of cooperation, which provides a valuable framework for exchange activities, joint research projects, seminars and conferences as well as exchange of academic and scientific information and arts exhibitions.

[Read more...](#)



### **KFU delegation held favorable negotiations in Istanbul**

The delegation of the Institute of International Relations, History and Oriental Studies of KFU visited International Research Center for Islamic History, Art and Culture (IRCICA) in Istanbul, Turkey. There was a number of events in terms of realization of Cooperation Agreement between Kazan Federal University and International Research Center for Islamic History, Art and Culture for the creation of the modern laboratory of paper restoration in Kazan.

[Read more...](#)



### **Technical Creativity Center opened in NSU**

NSU has launched a center for scientific and technical creativity and innovation called NSU Hackspace for those wishing to apply their talents in all fields including engineering. The initiative belongs to Ruslan Sokolov and Anton Panchenko, graduates of the Physics Department and current postgraduate students at the SB RAS. The organizers have planned to launch a stratosphere balloon, assemble an electric bike and an automatic sample changer for a diffractometer as well as implement a number of education mini-projects.

[Read more...](#)

## Project related news



### **Project 5-100 in European University Association Report**

The European University Association (EUA) published a new report that examines “excellence schemes” – that is, public funding schemes which have as their main objective the fostering of excellence in the university sector, and their subsequent impact on universities in Europe. Entitled ‘Funding for excellence’, it is the first in a series of three thematic reports that will outline many of the key findings of the EUA-led DEFINE (Designing strategies for efficient funding of higher education in Europe) project.

[Read more...](#)



### **Ural Federal University and Thomson Reuters Publish a Comprehensive Review of Scientometrics**

Thomson Reuters in collaboration with Ural Federal University has prepared a monograph entitled “Scientometrics Guide: Science and Technology Development Indexes”. This compilation will be interesting for researchers, managers, students, employees of information centers and to all those interested in measuring and evaluating science and technology. The complete text of the book is available on the Thomson Reuters website.

[Read more...](#)