



MIS&S



***INFO EDITION NO. 3, 2016***

National Contact Point for Research Infrastructures (RIs) in Russia  
The National University of S&T MISIS

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The 18th Ira SME call is organized and funded by national & regional ministries & agencies participating in the Ira SME network through their existing funding programs.

The participating countries/regions in this call: Austria (under condition of ministry decision), Belgium – Flanders, Belgium – Wallonia, Germany, **Russia**, Czech Republic (to be confirmed), France - Hauts-de-France (to be confirmed)

**Deadline: 28 September 2016 - noon**

The following application documents are mandatory:

- Guidelines for Applicants (pdf)
- IraSME Application Form (pdf) completely filled electronically and in English

It is important for all candidate project partners to consult in an early stage with their respective agencies during the preparation of the proposal to secure compliance with the applicable national and regional criteria.

**Important national rules: Russia:** Only small enterprises (< 100 employees) are eligible, research organizations only as subcontractors.

**Funding Agency for Russia:** Foundation for Assistance to Innovative Small Innovative Enterprises (FASIE)

Obydensky per.,1, str.5 | Russia 119034, Moscow, 3

[www.fasie.ru](http://www.fasie.ru)

Contact Person: Mrs. Olga Levchenko | Director of International Department FASIE

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**More information:** <http://www.ira-sme.net/calls/current-call/>



## **INTERNATIONAL CALLS 2016 IN THE FRAME OF THE FEDERAL TARGETED PROGRAM (FTP) R&D IN PRIORITY FIELDS OF THE S&T COMPLEX OF RUSSIA - 1**

### **I. Joint call Russia – Germany in the field of marine and polar research**

Open date: 26 May 2016

**Deadline for proposal submission: 01 August 2016**

Call documentation is available:

[http://fcpir.ru/participation\\_in\\_program/contests/list\\_of\\_contests/5\\_evaluation/2017-14-588-0005/](http://fcpir.ru/participation_in_program/contests/list_of_contests/5_evaluation/2017-14-588-0005/)

Number of submitted proposals: 6

### **II. Joint call Russia – Germany in the field of industrial biotechnology/bio-economy**

Open date: 25 August 2016

**Deadline for proposal submission: 14 October 2016.**

Call documentation and proposals are only in Russian language:

[http://fcpir.ru/participation\\_in\\_program/contests/list\\_of\\_contests/1\\_published/2017-14-588-0003/](http://fcpir.ru/participation_in_program/contests/list_of_contests/1_published/2017-14-588-0003/)



### **III. Joint call Russia – Germany**

Open date: 26 May 2016

**Deadline for proposal submission: 27 June 2016**

Call documentation and proposals are available:

[http://fcpir.ru/participation\\_in\\_program/contests/list\\_of\\_contests/5\\_evaluation/2016-14-588-0005/](http://fcpir.ru/participation_in_program/contests/list_of_contests/5_evaluation/2016-14-588-0005/)

Number of submitted proposals: 15 (13)

The results of Evaluation will be known by 7 November 2016



## **INTERNATIONAL CALLS 2016 IN THE FRAME OF THE FEDERAL TARGETED PROGRAM (FTP) R&D IN PRIORITY FIELDS OF THE S&T COMPLEX OF RUSSIA - 2**

### **IV. Sumforest Call for 'Sustainable Forests for the Society of the Future' under the FP7 funded ERA-NET project**

Open date: 19 May 2016    **Deadline for proposal submission: 20 June 2016**

**Call documentation is available:**

[http://fcpir.ru/participation\\_in\\_program/contests/list\\_of\\_contests/5\\_evaluation/2017-14-588-0006/](http://fcpir.ru/participation_in_program/contests/list_of_contests/5_evaluation/2017-14-588-0006/)

Number of submitted proposals: 10

The results will be known by 10 October 2016

### **V. Joint call Russia – France**

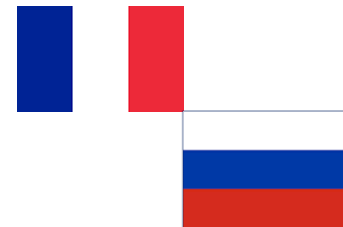
Open date: 26 May 2016    **Deadline for proposal submission: 30 June 2016.**

Call documentation and proposals are only in Russian language:

[http://fcpir.ru/participation\\_in\\_program/contests/list\\_of\\_contests/5\\_evaluation/2017-14-588-0004/](http://fcpir.ru/participation_in_program/contests/list_of_contests/5_evaluation/2017-14-588-0004/)

Number of submitted proposals: 33 (25)

The results of evaluation will be known by 11 November 2016



### **VI. Joint calls with Horizon 2020 including ERA-NET RUS PLUS initiative**

Open date: 28 June 2016

**Deadline for proposal submission: 14 October 2016.**

Call documentation is available:

[http://fcpir.ru/participation\\_in\\_program/contests/list\\_of\\_contests/1\\_published/2017-14-588-0001/](http://fcpir.ru/participation_in_program/contests/list_of_contests/1_published/2017-14-588-0001/)



## **BRICS STI FRAMEWORK PROGRAM: COORDINATED CALL FOR BRICS MULTILATERAL PROJECTS –PILOT CALL 2016**



The BRICS STI Framework Program aims to support excellent research on priority areas which can best be addressed by a multinational approach. The initiative should facilitate cooperation among the researchers and institutions in the consortia which consist of partners **from at least three of the BRICS countries**.

Collaborative multilateral basic, applied and innovation research projects in the following thematic areas can be submitted in response to the call:

**(a) Prevention and monitoring of natural disasters**

1. Understanding Disaster Risk
2. Strengthening Disaster Risk Governance to Manage Disaster Risk.

**(b) Water resources and pollution treatment**

**(c) Geospatial technology and its applications**

**(d) New and renewable energy, and energy efficiency**

**(e) Astronomy**

**(f) Biotechnology and biomedicine including human health and neuroscience**

**(g) Information technologies and high performance computing**

**(h) Ocean and polar science and technology**

1. Quantifying climate change effects in the ocean and their impacts on marine systems.
2. Understanding the role of high-latitude cryosphere in the global hydrological cycle
3. Continent-ocean interaction
4. Oceans observing systems
5. Research in deep sea
6. Polar research

**(i) Material science including nanotechnology** (Materials for Power engineering, Nanostructured materials, Magnetic materials)

**(j) Photonics** (Data transmission and processing, Bio-photonics and medicine, Energy, Lasers, Sensors, Computer simulation in photonics)

**Call is open until 25th August 2016, 17:00 Moscow Time (UTC+3)**

More information: <http://brics.rfbr.ru/rffi/eng/brics>



## **SKOLKOVO'S INTERNATIONAL MEDICAL HUB TO BE 'ONE OF THE BIGGEST IN EASTERN EUROPE**

The Moscow International Medical Cluster (MMMK) is planned as an international center developed in cooperation with the leading medical facilities of countries belonging to the Organization for Economic Cooperation and Development (OECD), an international organization headquartered in Paris and founded to boost international trade and economic progress.

One of the cluster's key tasks is to train Russian doctors to work to international standards.

As well as clinics equipped with cutting-edge technology where both foreign and Russian doctors will work, the cluster is due to host research companies working on the development and production of drugs and equipment.

The first foreign medical facility seeking to launch operations at the MMMK is currently being assessed by the expert council, after which it has to be approved by the supervisory council, and the cluster hopes to be able to announce the partnership.

To be eligible to work within the cluster, companies must have been practicing medicine for several years in one or more of the 35 member states of the OECD – of which Russia is not a member – and must be approved by the supervisory council, which consists of both Russian and foreign specialists.

The 15 clinics planned to occupy the 57-hectare site will specialize in areas including cancer, cardiology, orthopedics, trauma care and neurology.

“In seven to 10 years, a really good medical hub will appear here, hopefully one of the biggest in Eastern Europe,” says Mr. Kaem, a vice president of the Skolkovo Foundation and head of its biomedicine cluster.

More information: [https://sk.ru/news/b/articles/archive/2016/08/22/skolkovo\\_2700\\_s-international-medical-hub-to-be-2700\\_one-of-biggest-in-eastern-europe\\_2700.aspx](https://sk.ru/news/b/articles/archive/2016/08/22/skolkovo_2700_s-international-medical-hub-to-be-2700_one-of-biggest-in-eastern-europe_2700.aspx)



## **RUSSIA, FRANCE CELEBRATE 50 YEARS OF SCIENCE COOPERATION WITH THE BIOTECH RUSFRANCE 2016 CONFERENCE AT SKOLKOVO**

This year France and Russia are celebrating 50 years of cooperation in the field of science and technology with a program of 40 events. “Fifty years ago, President [Charles] de Gaulle came to the Soviet Union for a two-week visit,” Alexis Michel, science and technology counsellor at the French Embassy in Russia, told the conference.

The French leader visited many science centers, Moscow State University and Akademgorodok, the purpose-built science town in the city of Novosibirsk. Several cooperation agreements were signed in science and technology and space, and are still in place today. In fact, cooperation began much earlier – three centuries ago – with the visit of Peter the Great to Paris in 1717. The reformist tsar visited the French Academy of Sciences, and on his return to Russia ordered the creation of an equivalent institution in St. Petersburg based on what he had seen in France.

Today, the two countries produce 1,700 joint scientific publications every year – a 55-percent increase on the last 10 years, according to French Embassy statistics. At the beginning of this year, French Tech Moscow was launched, which aims to open the door to French startups that want to expand onto the Russian market.

Last year, the French and Russian governments signed an agreement to recognize each other’s diplomas, and the countries also have what Michel described as a de facto “zero rejection” visa policy for scientists.

“On average, there are 50 French researchers on any given day in Russia, who are here for an average of 10 days,” said Michel. While Russia has a strong foundation of scientific knowledge, that expertise is not always turned into technology.

More information:

<https://sk.ru/news/b/articles/archive/2016/10/19/russia-france-celebrate-50-years-of-science-cooperation-with-biotech-conference-at-skolkovo.aspx>





## WINNERS OF THE 5-TH COMPETITION FOR RECEIVING MEGAGRANTS HAVE BEEN ANNOUNCED

On September 20, 2016 the names of 40 leading scientists identified as the winners of the 5<sup>th</sup> open grant competition of the Government of the Russian Federation designed to provide governmental support to scientific research projects implemented under the supervision of the world's leading scientists at Russian universities and research institutions were announced.

The competition was attended by **542 leading scientists from 45 countries** together with nearly 300 scientific and educational organizations in Russia: 428 applications filed by universities, 114 by scientific organizations.

271 scientists out of the 542 competition participants are the citizens of the Russian Federation. The greatest representation among foreign scientists are US citizens - 49 applications; Italy - 23 applications; Germany - 19 applications; France - 18 applications; UK - 15 applications.

The project participants covered all 35 fields of science defined by the Grant Board of the Government of the Russian Federation.

The winners are leading scientists – the citizens of 16 countries of the world, including the USA, France, Canada, Great Britain, Israel and others. 15 scientists among the winners are Russian citizens.

Scientific research of 40 winners of the contest will be conducted on the basis of 35 Russian Universities and scientific institutions.

Regional distribution of Russian Universities and scientific institutions - winners of the competition: Moscow - 12 winners; Saint-Petersburg – 6; Novosibirsk region – 4; both Moscow and Samara regions - 3 winners; both Nizhny Novgorod, Tomsk regions, and the Republic of Tatarstan - 2 winners; Arkhangelsk, Voronezh, Rostov regions, city of Sevastopol (the first time), the Republic of Sakha (Yakutia), and Buryatia - 1 winner.

The grants of the Government of the Russian Federation allocated up to 90 million rubles each to conduct research for 3 years (2017-2019) with a possible extension for 2 years.

More information: <http://www.p220.ru/en/home/news/item/1069-megasof1>

### III. “STUDY IN RUSSIA” WEBSITE FOR FOREIGN STUDENTS WAS LAUNCHED IN THE FRAME OF 5/100 PROJECT

Project Office 5 -100 launches its new website <http://studyinrussia.ru/> to attract foreigners to study in Russian universities.

For the first time all the necessary information about studying in the leading Russian universities is gathered on a single website. Users are provided with a unique option to quickly look for a training program. The site currently contains descriptions of more than 2 800 programs of higher and postgraduate education. Another option is a step-by-step instruction for entering a Russian university, presented in the form of infographics. Applicants can easily find a list of required documents, information on quotas on free higher education, competitions and events in the field of education.

The site can help to quickly choose a university, a degree level and a field of study, as well as to learn about the cost of a particular program and even to take a Russian language proficiency test. The information is given in three languages - Russian, English and Chinese.

The site has a page on all main social networks - Facebook, Instagram, Twitter, V-Kontakte, Google+, and You tube.

More information: <https://www.utmn.ru/en/media/news/education/215188/>



## **DELEGATION FROM DLR VISITS THE RUSSIAN CENTER OF AVIATION SCIENCE**

At the end of August a delegation from the DLR Aerospace Center (Germany) visited the Zhukovsky Central AeroHydrodynamics Institute (TsAGI). The goal of the visit was talks on promising focal areas for cooperation in aeronautics.

Sergey Chernyshev, Director General of the TsAGI told foreign colleagues about the activities of the Institute and showed the key experimental facilities for research of aerodynamics and strength, engaged in joint international projects with DLR.

The guests visited the testing unit for lattice sections of composite airframes. Lattice structures have higher potential for weight reduction. The scientists of the Institute told about the work in this focal area, which is one of the vectors for TsAGI and DLR cooperation. In particular, ALaSCA (Advanced Lattice Structures for Composite Airframes of the new generation of civil aircraft) and PoLarBEAR (Production Aspects of Lattice Related Barrel Elements with Advanced Reliability) projects are dedicated to research of such structures.

The partners discussed the offer to include research of lattice structures in the EU Framework Program for Research and Innovation "Horizon 2020." In addition, the prospects for cooperation as a part of the Clean Sky 2 Program, as well as realization of the ASPIRE project for acoustics of ultra-high bypass ratio engines were examined in the course of talks.

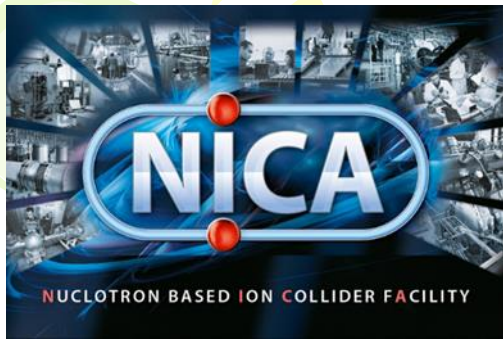
Another subject of the dialogue was conducting of a joint workshop for recent graduates employed at TsAGI and DLR. Six such events have already been successfully arranged since 2009. The forthcoming workshop is intended to develop young personnel, their skills for cooperation in a team and participation in international research.

TsAGI and DLR have a history of long effective partnerships and they are united by their participation in the EU Framework Programs. In addition to the above-mentioned work, there are other projects that can serve as examples: SADE (Smart High Lift Devices for Next Generation Wing), HEXAFly-INT (High Speed Experimental Fly Vehicles - International), TILDA (Towards Industrial LES/DNS in Aeronautics — Paving the Way for Future CFD), etc. There is a valid Framework Agreement signed by TsAGI and DLR, the purpose of which is the development of mutually advantageous cooperation in the field of scientific research.

More information: <http://tsagi.com/pressroom/news/2744/>

## THE EUROPEAN PHYSICAL JOURNAL STARTED ONLINE PUBLICATION OF THE NICA WHITE PAPER

NEWS



The European Physical Journal includes 12 journals, each dedicated to a specific area of physics.

On Monday 8 August 2016, the first three articles dedicated to the NICA project, the MPD detector and the BM@N experiment were issued in the journal with the A index, “Hadrons and nuclei”.

The editorial Preface says that the purpose of this collection of theoretical articles is to define scientific problems and the potential of heavy ion collisions experiments that are planned to be implemented at NICA, where the highest densities of baryonic matter ever created in terrestrial laboratories will be provided. Joint efforts of leading scientists of the world are essential to understand this issue. In 2009, with this purpose professors D. Blaschke, A. Sorin and V. Toneev developed the electronic resource White paper (NICA White Paper, <http://theor0.jinr.ru/twiki-cgi/view/NICA/WebHome>) with the opportunity to publish and to discuss proposals.

The current issue of the European Physical Journal will include 56 articles; some of them have been already approved by experts and corrected, others are being prepared for online publication.

The introductory section contains five additional articles which discuss the three stages of construction of the NICA facility, the establishment of the MPD detector, the BM@N experiment for the study of baryonic matter, the simulation software for the experiments and study of spin physics at the SPD detector using polarized protons and deuterons. Therefore, this resource brings together key information about the NICA project. The issue of the White paper is the result of work of the editorial Board which includes experts from the USA, France, Germany, Poland and JINR.

Authors dedicate this work to the memory of academician A.N. Sissakian, the initiator of the implementation of the NICA project at the Joint Institute for Nuclear Research. The articles are available at <http://epja.epj.org/component/epj/?task=topic>.

More information: <http://www.jinr.ru/posts/this-week-the-european-physical-journal-started-online-publication-of-the-nica-white-paper/>



## YOUNG SCIENTISTS GATHERED FOR WORKSHOP ON E+ E- COLLIDERS

**CERN hosted the CERN-BINP workshop for young scientists in e+e- colliders from 22-25 August 2016.**

The workshop was organized in the framework of the EU-funded Cremlin project (Connecting Russian and European Measures for Large-scale Research Infrastructures), which aims at strengthening science cooperation between six Russian mega-science facilities and related research infrastructure counterparts in Europe.

The workshop included lectures by prominent scientists on accelerator design, particle detectors and physics studies. The program also provided numerous site visits all around CERN. Since the workshop was discussing future colliders, it emphasized involving young people in the projects.

This year some 30 scientists from Budker Institute of Nuclear Physics SB RAS (BINP) and 20 scientists from CERN, as well as 10 further participants from Austria, China, France, Germany and Turkey, got together to present and discuss their research on electron-positron colliders.

BINP and CERN are each engaged in the design of future state-of-the art electron positron colliders. BINP is preparing for a future Super Charm-Tau factory (SCT), which aims at producing e+e- collisions up to 5 GeV centre-of-mass energy at very high intensity. In parallel CERN is hosting design studies for two different e+e- colliders, FCC-ee and CLIC, with very high center-of-mass energies ranging from 90 GeV to 3 TeV. The BINP and CERN designs address overlapping technological and scientific challenges.

"It is a great honor and pleasure for CERN to organize the CERN-BINP workshop and to exchange views and experiences with such a large delegation of young experts from Novosibirsk," mentioned CERN's Linear Collider Detector project leader, Lucie Linssen.

More information: [https://www.cremlin.eu/news/2016/young\\_scientists\\_gather\\_for\\_workshop\\_on\\_ee\\_colliders/](https://www.cremlin.eu/news/2016/young_scientists_gather_for_workshop_on_ee_colliders/)



## 2-ND INTERNATIONAL CONFERENCE “SCIENCE FOR THE FUTURE”, KAZAN, SEPTEMBER 20-23

The 1st International Scientific Conference “Science of the Future” took place in September 2014 in St. Petersburg with support from the Ministry of Education and Science of Russia.

800 scientists from 23 countries, including Fields Medal and Nobel Prize winners attended this event.

### **The 2-d edition of the conference was held in Kazan, September 20-23, 2016**

Conference organizer: the Ministry of Education and Science of the Russian Federation



**How it was:** The Conference had a new format — there were three exciting days of scientific meetings, unique experience exchange, new connections and unforgettable emotions.



### **Why participate?**

Useful and efficient networking, experience exchange

Discussions on current challenges

Motivation for new ideas development

Participation in round tables and lectures

Opportunity to talk to colleagues

Meeting the Russian Ministry of Education and Science officials

Proceedings of the “Science of the Future” conference are available:

<http://sf-conf.com/assets/files/Proceedings-of-the-conference2016.pdf>

More information: <http://sf-conf.com/>



**Saint-Petersburg, Russia  
7 - 8 October 2016**

## **THE 3-D INTERNATIONAL CONFERENCE "EU-RUSSIA S&T COOPERATION. RELATED SUPPORT INSTRUMENTS AND FUTURE OPPORTUNITIES**

3-d International conference "EU-Russia S&T cooperation. Related support instruments and future opportunities" was taking place in Saint-Petersburg on October 7-8, 2016. The main objective of the event was to present the European and Russian instruments supporting R&I, focusing on the three interrelated priorities – European Research Council (ERC), Research infrastructures and mobility.

### **SCOPE**

Cooperation in S&T&I is a fundamental pillar in overall EU-Russia relationship. A successful and mutually beneficial cooperation is realised at the level of the European Union - Russia relationship and through bilateral and multilateral actions between Russia and individual EU Member States or Associated countries.

The objective of the Conference was to discuss the present status of EU-Russia relations in S&T&I cooperation: trends, challenges and opportunities. The major focus was on describing the existing European and Russian funding instruments implemented at different levels and their level of coordination and synergy, sharing the experience of successful bilateral cooperation with Germany and France.

The conference brought together European and Russian experts to discuss the ways of further progress in cooperation through improving the existing and developing new instruments of cooperation and deepening their complementarity and coordination.

The previous editions were held in St. Petersburg in 2011 and 2012.

More information: <http://h2020-infra.misis.ru/en/home1/558-the-3-d-international-conference-eu-russia-s-t-cooperation-related-support-instruments-and-future-opportunities-saint-petersburg-october-7-8-2016>

## 2017 International Conference on Mechanical, System and Control Engineering

St.Petersburg, Russia | May 19-21, 2017



# ICMSC 2017

2017 International Conference on Mechanical, System and Control Engineering (ICMSC 2017) will be held in St. Petersburg, Russia, May 19-21, 2017.

Russia is an industrially developed country, especially the nuclear industry and aerospace industry. The objectives of the conference are to provide high quality research and professional interactions for the advancement of science, technology, and fellowship. This conference provides opportunities for the delegates to exchange new ideas and application experiences face to face, to establish business or research relations and to find global partners for future collaboration.

This event will include the participation of renowned keynote speakers, oral presentations, posters sessions and technical conferences related to the topics dealt with in the Scientific Program.

More information: <http://www.icmsc.org/index.html>



## WORKSHOP ON PUBLIC AWARENESS OF RESEARCH INFRASTRUCTURES - PARI2017



In 2015 the first workshop on Public Awareness of Research Infrastructures was held. Given its success and very positive feedback from the participants, the second edition of PARI will be organized. PARI2015 was the 10-th of a series of events organized by the ERF-AISBL, the European Association of National Research Facilities.

The EIROforum joined in for the organization of PARI2017.

Science is exciting, enlightening, complex, fundamental, precise, logical, and creative, all at the same time. However, for the public to get in touch with it and understand why it encompasses all these concepts, efforts need to be made to bridge science and society. With this aim, communication teams at research infrastructures work with a range of methods and channels. They make complex information more tangible and disseminate it as broadly as possible so that the public can understand and be engaged.

This conference aims to be a **hands-on forum for communication officers and public relations** staff to share their experiences and expertise. The aim is that participants return home with new ideas for their work, by learning how and with which means other research institutions are communicating the importance of science and of research infrastructures to society.

**Venue: European Southern Observatory, Karl-Schwarzschild-Str. 2, 85748 Garching, Germany**

**Date: 29-30 May 2017**

More information: <https://webapps.frm2.tum.de/indico/event/43/>



MIS&S

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