FRANCE - RUSSIE
COOPÉRATION
SCIENTIFIQUE ET TECHNOLOGIQUE

НАУЧНО-ТЕХНИЧЕСКОЕ
СОТРУДНИЧЕСТВО
РОССИЯ - ФРАНЦИЯ
1966 - 2016

FRANCE - RUSSIA 50 years of cooperation in Science & Technology

PROGRAM

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AMBASSADE DE FRANCE
EN RUSSIE

Liberté • Égalité • Fraternité
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LA RECHERCHE

МИНИСТЕРСТВО
ОБРАЗОВАНИЯ И НАУКИ
РОССИЙСКОЙ ФЕДЕРАЦИИ

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РФФИ
РОССИЙСКИЙ ФОНД
ФУНДАМЕНТАЛЬНЫХ
ИССЛЕДОВАНИЙ

РТН

Centre franco-russe de recherches
en sciences humaines et sociales de Moscou
Франко-российский центр гуманитарных
и общественных наук в Москве

fondation
maison des
sciences
de l'homme

Российская Академия Наук

аналитический центр
МНИОП

Avant-propos

La France et la Russie célèbrent cette année les 50 ans de la formalisation de leurs relations bilatérales scientifiques et technologique. Le voyage du général de Gaulle en URSS de juin 1966 a donné lieu à la signature de plusieurs accords qui cadrent encore aujourd'hui notre coopération. Aujourd'hui la France est le troisième partenaire scientifique bilatéral de la Russie. En 2014, quelques 1700 publications associaient des chercheurs de nos deux pays. Chaque jour plus d'une cinquantaine de chercheurs français sont présents sur le territoire russe pour un séjour d'une durée moyenne de dix jours. De Kaliningrad à Vladivostok, de Strasbourg à Rennes, de Iakoutsk à Rostov et de Lille à Marseille, les coopérations franco-russes associent les institutions de recherche les plus prestigieuses de nos deux pays. Même, la Russie n'est pas suffisamment grande puisque les chercheurs français et russes collaborent avec succès en Antarctique, ou sur des projets d'explorations planétaires.

Les autorités de nos deux pays ont décidé lors de la dixième session du Comité mixte pour la science et la technologique de juin 2015 de marquer un demi-siècle de succès scientifiques et technologiques conjoints nés des accords de 1966. A cette fin, un label a été élaboré afin de distinguer des activités illustrant la diversité, la richesse et l'actualité de notre relation bilatérale. Des propositions ont été reçues tout au long de l'année ; elles ont été examinées par un comité de sélection franco-russe.

Le comité a relevé le grand nombre de candidatures reçues ainsi que leurs très grandes qualités ; il a essayé de rendre ses avis dans les meilleurs délais en essayant surtout apprécier l'esprit des événements. Le label a permis de repérer et de rendre plus visibles des activités régulières, autour de coopérations déjà installées, portant sur des champs disciplinaires traditionnellement forts de notre coopération. D'autres, au contraire, relevaient d'initiatives nouvelles saisissant l'occasion de cette parfois autour de domaines encore peu présents.

Cette année commémorative a également permis de saluer les 20 ans de l'accord entre le CNRS et le Fonds russe pour la science fondamentale, les 10 ans du laboratoire franco-russe Poncelet, les 15 ans du Centre d'études franco-russes ainsi que les 10 ans de la coopération entre la Maison des sciences de l'Homme et le Fonds russe pour les humanités.

Depuis janvier dernier, une quarantaine d'événements ont ainsi été organisés, en France comme en Russie. Ils ont réuni plus de 2 500 personnes. Ce livret les rassemble suivant un ordre calendaire. Il se veut être un bilan détaillé de ce cinquantenaire. Chaque activité ayant reçu le label est présentée de manière synoptique en précisant sa nature, son lieu, la fréquentation et le champ disciplinaire concerné.

Преамбула

В этом году Франция и Россия отмечают 50-летие официального оформления двусторонних отношений в области научно-технологического сотрудничества. В ходе государственного визита президента Франции Шарля де Голля в СССР летом 1966 года был подписан ряд соглашений, заложивших фундамент действующего по настоящее время сотрудничества. В настоящий момент, Франция является третьим иностранным партнером России в области научных исследований. В 2014 году было зарегистрировано порядка 1700 совместных научных публикаций. Ежедневно на территории России пребывают около 50 французских ученых, средняя продолжительность визитов которых составляет 10 дней. В научное франко-российское сотрудничество, простирающееся от Калининграда до Владивостока, от Страсбурга до Ренн, от Якутска до Ростова и от Лилля до Марселя, вовлечены самые передовые исследовательские организации обеих стран. Научные интересы настолько обширны, что территорией России они не ограничиваются: французские и российские ученые успешно сотрудничают в Антарктике, а также в совместных проектах планетарного масштаба.

По результатам десятого заседания франко-российского Смешанного комитета по научному и технологическому сотрудничеству, состоявшегося в июне 2015 года, было принято решение о праздновании 50-летнего юбилея франко-российского научно-технологического сотрудничества, начало которому было положено в 1966 году. В этой связи был разработан специальный логотип, который присваивался научным мероприятиям, организованным в рамках юбилея. Мероприятия должны были иллюстрировать многообразие, богатство и актуальность наших научных связей. Заявки на проведение подобных мероприятий поступали в течение всего года. Все они проходили экспертную оценку совместного франко-российского отборочного комитета.

Отборочный комитет рассмотрел большое количество заявок высокого уровня, и постарался огласить итоги в самые кратчайшие сроки. При отборе заявок комитет пытался, прежде всего, оценить идею и дух мероприятия. Благодаря логотипу, удалось выделить и более широко отметить мероприятия, проводимые на регулярной основе, в рамках давно существующего двустороннего сотрудничества в традиционных для наших стран научных областях. Одновременно с этим, были также отмечены новые инициативы по сотрудничеству в еще слабо освоенных научных дисциплинах.

В этом юбилейном году мы также отметили 20-летие сотрудничества между CNRS и Российским Фондом Фундаментальных Исследований, 10-летие франко-российской математической лаборатории им. Понселе, 15-летие Центра франко-российских исследований в Москве и 10-летие партнерских связей Дома наук о человеке и Российского Гуманитарного Научного Фонда.

С начала января этого года, как во Франции, так и в России было организовано порядка 40 научных мероприятий, в которых приняли участие более 2500 человек. В данной брошюре все мероприятия приведены по порядку за все месяцы календарного года. Это подробный отчет о праздновании юбилейного года. По каждому мероприятию, отмеченному логотипом, представлено краткое изложение с указанием тематики, места проведения, количества участников и научной дисциплины.

National institute of nuclear and particle physics (IN2P3) / Joint Institute for Nuclear Research (JINR) - Joint committee annual meeting

January 19
Paris

CNRS Headquarters

15

This annual Joint Committee between the two leading research institutes is the occasion to draw an overview of the situation in Russia and in France and to conduct discussions on the collaboration and time attribution for the year 2016

Founded in 1971, the aim of the National institute of nuclear and particle physics (IN2P3) of the CNRS is to promote and unify research activities in the fields of nuclear physics, particle and astroparticle physics. It coordinates programs within these fields on behalf of the CNRS and universities, in partnership with CEA.

The goal of this research is to explore the physics of elementary particles, their fundamental interactions and the manner in which they assemble into atomic nuclei, to study the properties of these nuclei and to explore the connections between the infinitely small and the infinitely large.

The Joint Institute for Nuclear Research (JINR) is an international intergovernmental scientific research organization established through the Convention signed on 26 March 1956 by eleven founding States and registered with the United Nations on 1 February 1957. It is situated in Dubna not far from Moscow in the Russian Federation.

Partners: IN2P3, JINR.

BIOLOGY

Workshop: Unasked questions in biology of Big Data

March 23
Moscow

Moscow Institute of Physics and Technology

40

Current biology generates masses of unordered data by next-generation sequencing and other recent techniques (Big Data). At the same time, these data are insufficiently analyzed. This 1-day workshop will brings together leading French and Russian scientists in the fields of Biology, Bioinformatics and Mathematics to generate new questions, concepts and ideas in analysis of Big Data in biology.

Partners: CNRS, INSERM, Ecole Polytechnique, Institut Curie, Institut Gustave Roussy, Moscow Inst. of Phys. and Tech, Moscow State University, Institutes of the Russian Academy of Sciences, Blokhin Center for Cancer Research, Higher School of Economics (Dept. of Computer Sciences and Math)

Conference: "Cooperation with European higher education institutions in Siberia: problems and solutions"

April 19-22
Novosibirsk
Tomsk

Novosibirsk State University / Tomsk State University

80

Discussion of technologies and mechanism for improving international cooperation between universities in the context of competitiveness enhancement in the world market of education and science / Searching for new approaches and mechanisms for joint promotion of partner universities in the international education market and world rankings. / Generalization of practices and exchange of universities' working experience. / Discussion of possibilities of strengthening scientific cooperation between European and Siberian universities and research centers. / Increasing attractiveness of Siberia for the international scientific and educational projects and programs.

Partners: Ambassade de France / Institut Français en Russie, Administration régionale de Tomsk, Alliance Française and CampusFrance Novossibirsk, DAAD

ARCHEOLOGY

Seminar: "Colors & decorated walls"

April 25-26
Périgueux

National Center for Prehistory

40

The seminar about colors and prehistoric paintings has been organized at the request of E.G. Devlet and A.S. Pakhunov (Institute of Archaeology, RAN, Moscow), members of the mirror lab Artemir, with French specialists of the topic. The target is dual: to make the link between French and Russian Prehistorians involved in this new field of research and to start to bring together the researchers of the French side. The Russian prospects are the study and preservation of the famous Paleolithic cave of Kapova.

Partners: LIA Artemir, National Center for Prehistory of the French Ministry of Culture and Communication, Novossibirsk State University, Mirror Lab Artemir, Institute of Archeology and Ethnography of the Siberian branch of the Russian Academy of Sciences.

ARCHEOLOGY

Initiation to 3D modeling in archaeology	**May 2-6** Les Eyzies de Tayac
University of Bordeaux	20

The training workshop of les Eyzies is the continuation of the introductory course to 3D imaging given in November 2015 at the State University of Novosibirsk during the Russian-French seminar «3D в археологии: больше, чем измерение / 3D en archéologie : plus qu'une dimension supplémentaire » (11/10-14th), for the creation of the mirror lab Artemir. It is opened to students of the partners' universities and to the members of Artemir. Practical lessons are given by Pascal Mora and Bruno Dutailly, from Archéovision, and by Laurent Lescop, from the Higher National School of Architecture of Nantes (ENSA). Funding from the French National Center of Scientific Investigation, the University of Bordeaux, and the State University of Novosibirsk.

Partners: LIA Artemir, CNRS, University of Bordeaux, IdEx, ENSA, Archéovision, Novossibirsk State University, Mirror Lab Artemir, Institute of Archeology and Ethnography of the Siberian branch of the Russian Academy of Sciences.

CHEMISTRY

International School-Seminar on Computer-Aided Molecular Design (CAMD2016)

April 25-26
Kazan

Kazan Federal University

60

www.kpfu.ru/camd2016.html

International School-seminar on Computer-Aided Molecular Design is devoted to usage of quantum chemical, force-field and chemo-informatics modeling in molecular and material design.
The main topics of the School-seminar are: Chemo-informatics-assisted technologies in molecule design, Force-field modeling usage in understanding of biochemical processes and new chemical entities design, Quantum chemistry approaches in compound and material design, Computer-aided technologies in chemical synthesis.
The School-seminar will include: Lectures on different approaches in molecule and material design, Key-note lectures on new developments in the field, Oral presentations by young scientists.
The event will gather students, PhD students, beginners, young scientists and well-known scientists – experts, practicing different computer-based technologies to solve problems, related to design of new chemical entities. It will make an environment to share scientific experience and findings. It will also demonstrate young scientists and students the role of theoretical methods in discovery of new drugs, practically important compounds, materials and chemical reactions.
This School-seminar is organized in the framework of the project 14-43-00024 funded by Russian Science Foundation.

Partners: Kazan Federal University, Russian Science Foundation

CNRS / RFFI 20th anniversary of collaboration

April 29
Paris

On April 29, 2016, the CNRS has received an official delegation of the Russian Foundation for basic research (RFFI), led by its president, the Academician Vladislav Panchenko, to celebrate the 20th anniversary of the strategic partnership between the CNRS and the RFFI.

Many exchanges took place between the managers and scientific leaders of the two institutions and institutes of the Russian Academy of Sciences and Russian universities, as well as representatives of Russian institutions in France. A seminar of restitution devoted to the holders of the LIA and GDRI (Franco-Russian labs jointly funded by the CNRS and the RFFI) was organized in the framework of this visit.

A letter of intent to renew the agreement of cooperation between the two institutions has been signed by Alain Fuchs, president of CNRS, and its Russian counterpart.

Partners: CNRS, RFFI

TRANSPORTS

3rd Franco-Russian Forum for railway technology research & education	**May 30 -June 2** Rostov-on-Don
Rostov State Transport University	

Partners:

INNOVATION

Skolkovo's Start-up Village: So French, So Creative: How French Tech Helps Russian and French Startups Go Global - Conference

June 2-3
Moscow

Skolkovo

50

In the framework of Skolkovo's Start-up Village, the French Tech initiative held a conference called "So French, So Creative: How French Tech Helps Russian and French Startups Go Global" where representatives from Business France and French start-ups were invited to discuss their vision of the cooperation through technology and entrepreneurship.

The Start-up Village is the biggest startup conference in Russia, serving as a platform for bringing together entrepreneurs, innovators, authorities, investors, researchers and students to discuss and discover path-breaking potential of the young entrepreneurs.

Nearly 12 000 participants from over 19 countries of the world will meet for the Conference, 2000 startups will present their projects during the pitch-sessions, presentations and keynotes. Not less than 400 journalists from the leading Russian and foreign media are expected to cover the event.

Partners: Business France, French Embassy in Russia, French Tech

EARTH SCIENCES

International symposium: “Multidisciplinary Experimental Research of Mire Ecosystems and Climate Change in Western Siberia”

June 5-12
Khanty-Mansiysk

Yugra State University

20

Since 2012 Yugra State University has been carrying out cooperation with University of Orleans and CNRS within the implementation framework of the scientific experiment on the premises of the «Mukhrino» field station. Special open top chambers (OTC) were installed here in 2012. The chambers induce the rise of temperature by several degrees in a particular part of a mire to simulate climate warming. Manipulations with various parameters such as mire water level, temperature and humidity of soil were also performed here. Researchers monitor how the temperature rise and change of the humidification degree affect the vegetation, carbon dioxide and methane emissions, temperature and chemical composition of mire water and other parameters for creating climate change models.

The program of the field symposium includes a theory section which has two academic sessions: «Experimental approach to study of response of mire ecosystems to climate change using OTC» and «Preliminary experimental results using OTC on the «Mukhrino» field station». Researchers will be asked to deliver reports on results of their researches. The second section of the symposium will be held on the «Mukhrino» field station. It will include measuring methods workshops, teamwork for conducting experiments as well as discussions on further data processing, various experimental modeling and interpretive reading of experiments results

Running this kind of experiment is unique for Russia since similar researches are conducted only in several mires in Poland and France. Although specifically these measurements to be obtained on the «Mukhrino» field station will be considered as control measurements for boreal zone what gives special importance to this experimental site in climate change research.

Partners: Yugra State University, CNRS, Institute of Earth Sciences (Orléan)

HUMANITIES

Conference: Rhetoric in the Light of Modern Linguistics

June 16-17
Smolensk

Smolensk State University

40

The conference "Rhetoric in the Light of Modern Linguistics" is devoted to problems of rhetoric developed by stylistics. It takes place in the Smolensk State University every two years since 1999. The conference is organized by the French Language Department.

The participants are philologists who explore the expressive potential of the language (especially French). Applying modern linguistic theories, the authors deal with actual issues of rhetoric, trope studies, expressive syntax, morphology, lexis and phraseology, text interpretation and individual style, language play, social language variations and functional styles.

The objective of the journal is to enlarge our notions of emotional, expressive and figurative means of the language in texts with different functional orientation.

Among the participants are eminent specialists from the leading universities in Russian Federation, as well as from France and other countries.

The main feature of the conference is that it combines linguistic and philological approaches to the text and contributes to the creation of new concepts and approaches to studying fiction.

The conference makes it possible for Romance, German and Russian philologists to share experience and provides a perfect start for the younger participants.

Partners: Moscow State University Lomonossov, Ural State University, Belgorod State University, Udmurt State University, Université de Reims

Reception at the “Résidence de France”: Academic and S&T cooperation

June 20
Moscow

French Embassy in Russia

150

His Excellency the Ambassador of France hosted a reception at the Residence of France for the Master and PHD students who in 2016 were granted with the various scholarship programs of the Embassy (more than 200 long-term scholarships this year).

On this occasion, the Keldysh Institute of Applied Mathematics, National University for Nuclear Research "MEPhI", the Université de Savoie Mont Blanc, Université Grenoble Alpes and the Communauté Université Grenoble Alpes proceeded to the signing of the agreement concerning the first French-Russian joint doctoral program in the field of fundamental physics.

The Ambassador also awarded the Lavrentiev prizes, which annually recognize two Russian postdocs working in France. This year, the prizes were given to a young researcher from MISIS and currently working at the École Polytechnique, and to a young working at Ecole Normale Superieure de Lyon who graduated from NGU.

Finally, two personalities from the Russian scientific community have been distinguished with the medal of the Order of Academic Palms, for their contribution in the strengthening of the bilateral relations between our two countries.

The social network "Alumni" has also been announced. This platform, which will be operational at fall, will allow recipients of the various scholarship programs or joint programs graduates, French as well as Russian, to maintain links with the academic institutions or companies as they return to their countries

Partners: French Embassy

Russian glaciologist Narciss Barkov distinguished with the Legion of Honour

June 21
St-Petersburg

Arctic and Antarctic Research Institute

100

Nartsiss Barkov was the one who initiate the deep drilling of the ice carried at the "Vostok" station. The first drilling operation of the station started under his leadership in 1969-1971.

He met the famous glaciologist Claude Lorius for the first time in the 1970s. Their scientific cooperation on the study of drill cores and paleoclimate still continues to this day. French researchers Claude Lorius and Jean-Robert Petit joined Mr. Barkov at the "Vostok" station many times. The results of their joint studies are considered a reference work for the research on Antarctica.

Mr Barkov has over 130 research publications to his credit, in Russia and abroad.

Partners: French Embassy, Arctic and Antarctic Research Institute

Visit of the M. Livanov, Minister of Education and Science, to France

June 28-29
Grenoble

European Synchrotron Radiation Facility

The Minister of education and science of the Russian Federation Dmitry Livanov visited the European synchrotron radiation facility (ESRF) in Grenoble, France. The head of the Ministry of education and science met with the General Director of the Center, Francesco Sette, and discussed current the cooperation and possible formats for its expansion.

In June 2014, the Ministry of education and science signed a Protocol on Russia's accession to the construction and operation of the ESRF. This ensured the full participation of Russia in the ESRF and allowed the Russian scientific and educational organizations to have full access to the research infrastructure.

CHEMISTRY

CLUSPOM-1 – First International Workshop on Metal Atom Cluster and POM Chemistries

June 29
July 2
Rennes

Smolensk State University

100

http://scienceschimiques.univ-rennes1.fr/theo/cluspom/Welcome.html

CLUSPOM-1 is the merging of the Franco-Siberian Workshop on Metal Atom Clusters and POM Chemistries (IDEMAT-1 Rennes 2013, IDEMAT-2 Novosibirsk 2014) and the International Workshop on Metal Atom Clusters (Rennes 2008, Novosibirsk 2014). CLUSPOM-1 as indicated by it denomination directly implies the LIA CLUSPOM between France and Russia that involves Institut des Sciences Chimiques de Rennes, Institut Lavoiser de Versailles and Nikolaev Institute of Inorganic Chemistry from Novosibirsk. To symbolize the strong involvement of LIA in CLUSPOM workshop, we specially designed a logo for Workshop that is strongly related to that of LIA CLUSPOM. The results obtained within the framework of LIA CLUSPOM will be promoted in the front of a broad international audience. The topics will encompass fundamental research on molecular clusters and POM, starting from synthesis of new compounds, characterization of their structures and properties, calculations etc. and going all the way to the integration of clusters and POM in applicative materials, nanomaterials and devices (details are on the website).

Partners: Institut des Sciences Chimiques de Rennes, Institut Lavoiser de Versailles and Nikolaev Institute of Inorganic Chemistry from Novosibirsk.

MEDICINE

1st Franco-Russian public health and medical innovation Forum

June 30
July 1
Moscow

Endocrinology Research Center

450

http://www.youtube.com/famx

For 3 years now, the ambition of the French Academy of Medicine Foundation has been to develop the exchanges in the field of health with Academies and medical organizations in the world, especially in the BRICS.

This year, in Moscow, the Forum FAMx co-organized by the Foundation and the Academy of Science of Russia offers important possibilities of meetings at the highest level, debates and interactions with the Russian medical professionals and the general public. The main topics are: French-Russian cooperation, cancer, diabetes, innovation and teaching.

This meeting will be an important step to develop future direct interaction between the two countries.

Partners: Fondation de l'académie de medicine, Académie nationale de medicine, Russian Academy of Science

EARTH SCIENCES

Workshop SAMIA LIA	**August 24-26** Reims
University of Reims	25

For the first time, it will be possible to gather the leaders of the different group partners of the SAMIA LIA. In particular, Valery Perevalov, who is the Russian coordinator of the LIA SAMIA (and recently got the Palmes Académiques) will be present together with about 12 researchers of the Institute of Atmospheric Optics. Each group leader of the five French laboratories will attend the meeting and will present the activities of his/her group in the frame of SAMIA LIA and perspectives before a round table dedicated to the different ways to further develop and extend the SAMIA LIA.

Partners: Université de Reims, Institut d'Optique Atmosphérique de Tomsk, Université de Grenoble

MATERIALS

Workshop: French-Russian Young Researcher's Day	**September 21** Kazan
Kazan Federal University	20
http://sf-conf.com/	

This workshop will be hold during in the framework of the "SCIENCE OF THE FUTURE" 2ND INTERNATIONAL SCIENTIFIC CONFERENCE in Kazan, under the patronage of French directors of Megagrants laboratories, and will be related to the science of new materials.

Partners: Science of the Future, French Embassy in Russia, Ministry of Education & Science (Russia)

HUMANITIES

Conference: Scientific utopias in the Soviet Union: fiction, science, and power (1917-1991)

September 22-24
Paris

CERCEC
(Russian, Caucasian and Central European Research Center)

http://www.cercec.fr

25

This conference aims to understand how fiction has had a heuristic function, managed to participate in the transformation of scientific activity and reconfigure science and power relation. First of all, we will focus on the relation between fiction and science, in order to explore how literature and art have taken over and readapted some of the concepts based on scientific discoveries and, conversely, how science used the imagery proposed by fiction to sustain its discourse, challenge its findings or launch the brand new experiments. This double movement is clearly mediated by power. This is why we will be attentive to the social command and the mechanisms of censorship at work. Through this relation between fiction, science and power we will also explore the idea of progress and its meaning during this period. If Soviet authorities made of science mother of progress, the belief in the impending communism started fading in the sixties. To what extent have scientific utopias reflected this evolution? What kind of imagery did they offer to the public? Utopias are rooted in the reality of their time and reveal its concerns. Then, what are the concerns they convey? Have they developed a discourse on risk that scientists would then reappropriate? For what reasons?

Partners: CERCEC, CNRS, EHESS, Île de France, Fonds France-Berkeley, IEA Paris, CRHS (Paris I Panthéon-Sorbonne), BULAC, Ministère de l'Enseignement supérieur et de la Recherche (programme ACCES), Laboratoire d'Excellence TEPSIS

CHEMISTRY

Workshop : France-Russia 50 Years of S&T cooperation: chemistry and materials (Mendeleev Congress)

September 26-30
Ekaterinburg

International Exhibition Center "Ekaterinburg-EXPO"

https://mendeleev2016.uran.ru/

45

One day conference will cover different topics of the French-Russian cooperation in the field of chemistry and materials. The program includes 1 keynote lecture, 6 invited lectures and 7 oral presentations. Half of the lectures, including the keynote lecture will be given by French scientists. This workshop is a part of XX Mendeleev Congress on general and applied Chemistry, the regular forum of Russian chemists. More than 2700 participants from more than 38 countries have already been registered. The Congress traditionally maintains an interdisciplinary program that highlights new research directions as well as advances in chemical industry and professional education. In addition to scientific discussions, Mendeleev Congress specifically features the networking among business, industry and academy.

Partners: Université de Bourgogne, Kurnakov Institute of General and Inorganic Chemistry (RAS)

BIOLOGY

Seminar: “Neurobiology of Development”

Sept-Oct
Kazan

Kazan Federal University

25

Seminar of the associated laboratory between INSERM and Kazan University “Neurobiology of Development” aims to present the research results and to discuss future collaborative projects along the following lines of research:

1) Early patterns of activity in the developing networks

2) Developmental changes in the effects of GABA

3) Optogenetics as a tool to investigate the developing networks

4) Mapping of the developing brain using intrinsic optical signals

5) Pathologies of the developing nervous system

Partners: INSERM, Kazan Federal University

MATERIALS

Forum: Composite and Nano-materials for Medicine	**October** Paris
Russian Center for Culture and Science	40

Russian-French innovation forum is held in 2016 by trade mission jointly with the RCSC in three areas: policy innovation, research and development and communication of best practices. As a framework, the Forum allows to intensify the search for partners in the field of new technologies from the Russian and French sides.

From the Russian Federation will participate in the exhibition the seminar recognized organizations in the field of new materials for medicine such as

Partners: Université Pierre et Marie Curie, Laboratoire Environnement et Mineralurgie (LEM) UMR 7569 CNRS -Nancy Université, National University of Science and Technology "MISIS"

15th TsAGI-ONERA Seminar

October 3-7
Sochi

35

This year it is the 15th anniversary\jubilee seminar. For all these years it has been an integral part of the development and strengthening of cooperation between our organizations, along with collaborative research within the framework of European programs, such as the 6th and 7th Framework program, Horizon 2020, Clean Sky, Future Sky, Quite Air Transport. The seminar is a good school, not only to experienced scientists, but also to young professionals. To support them TsAGI and ONERA have jointly established the Best Joint Research Award for Young Researchers named after D. Maugars. It is pleasant to note, that in the year of the anniversary\jubilee seminar our colleagues from ONERA celebrate the 70th anniversary of their center. Long-standing and lasting TsAGI–ONERA cooperation, which dates back to the 1960-s of the previous century, is a perfect example of the mutually-beneficial exchange of the research results not onlyin the framework of bilateral cooperation, but also for the whole international scientific community.

Partners: TsAGI, ONERA

HUMANITIES

Conference: 120th birth anniversary of Lev Vygotsky

October 13
Paris

Russian Center for Culture and Science

50

In 2016 the scientific and pedagogical community of the different countries celebrates the 120 anniversary since the birth of L. Vygotsky. Vygotsky was the Russian scientist who is given by the humanist and has made a huge contribution to development of sciences about socialization of the person in the nature, culture and society. Scientific works of L. Vygotsky continue to impact on formation of the most important educational projects XX and XXI of centuries. During our conference, we programm special discussions: Vygotsky and his theory in France, Vygotsky and Piaget, dialogue between Russian and French schools of education. The impact will be very important on France-Russian cooperation in education, history of education and psychology.

Partners: Russian Federal Agency Rossotroudnitchestvo, Russian Federal Institute for education FIRO, Institut of educational politic Euréka, Russian Center for Culture and Science

ARCHEOLOGY

Exhibition « The third Man, Prehistory of Altaï »	**October 25-26** Les Eyzies de Tayac
National Museum of Prehistory	60

The exceptional data from the Paleolithic sites of Altay, which are changing the paradigms about human expansion in Eurasia, will be presented in the next exhibition of the National Center of Prehistory, in Les Eyzies de Tayac. Along with the opening of the exhibition, in June 2017, will be organized an international workshop about prehistoric biologic and cultural interbreeding. The exhibition will be advertised in October 2016 by poster prefiguration in the entrance hall of the museum.

Partners: Ministry of Culture and Communication, National Museum of Prehistory, LIA Artemir, CNRS, University of Bordeaux, Institute of archeology and ethnography of the Siberian branch of the Russian Academy of Sciences, Museum of History and Culture of the People of Siberia and Far East.

HUMANITIES

Conference: language, culture, mentality : French and German in the European linguistic space

October 13-14
Nizhny-Novgorod

Nizhny-Novgorod State University

100

The planned conference is dedicated to become a sort of scientific platform for the familiarization with the studies in the sphere of history, ethnography, the languages of Germany and France, of the neighboring countries and boundary areas, for innovations exchange in the sphere of professional linguoeducation, for the scientific search of the solutions to intercultural interaction problems within the frameworks of global Eurasian space. A special analysis of the issues regarding the building of international communication culture, linguoculturological aspects of bilinguism and biculturalism, cultural and national stereotypes of speech behavior is required.

Russian and foreign researchers (linguists, specialists in study of literature, culturologists, practicing pedagogues, journalists, etc.) are invited to participate in the work of the conference, whose sphere of scientific interests is connected with theoretical and methodological and applied problems of philology, intercultural communication, teaching methods of the Russian and foreign languages and literature.

Partners: Scholars and university teachers from Moscow, Saint Peterburg, Arhangelsk, Voronezh, Ekaterinburg, Petropavlovsk-Kamchatsk, Pyatigorsk, Samara, Cheboksary, Saransk, Smolensk, Chelyabinsk, Saratov, Simpheropol and other Russian cities will take part in the conference.

The participation of specialists from the partner universities of the Linguistics University of Nizhny Novgorod is expected from the foreign side: Otto von Guericke University, the University of Duisburg-Essen, the Weingarten University of Education, Dresden Technical University, Leipzig University, the Goethe-Institute Mannheim, the Aix Marseille University, National Institute of Oriental Language and Civilization | University of Paris (INALCO), Paris Sorbonne University, The University of Rouen, the University of Caen Normandy (UNICAEN), the University of Belgrade, Serbian Academy of Sciences and Arts, the University of Presov, Minsk State Linguistics University.

MATHEMATICS

2nd French-Russian conference "Random Geometry and Physics"

October 17-21
Paris

Henri Poincaré Institute

http://www.th.u-psud.fr/RGP16/

100

This conference aims at developing the French-Russian interaction at the mathematical/physics interface.

There is a long tradition in both countries in mathematical physics. The cooperation is also very active as exemplified by the existence of Laboratory Poncelet, which is a joint French-Russian laboratory.

The first French-Russian conference on Random Geometry and Physics was held in Moscow at the Steklov Mathematical Institute, September 8-12, 2014. This second French-Russian conference Random Geometry and Physics, now held at Institut Henri Poincaré in the center of Paris, coincides with the 50th anniversary of official scientific ties between France and the former USSR.

The interface between combinatory and random geometry on the mathematical side and quantum field theory and statistical mechanics on the physics side is in fast development in France and Russia. For instance the 20th Itzykson conference "Random surfaces and Random geometry", held in Institut de Physique Théorique at CEA, June 10-12 2015 was entirely devoted to this subject. New methods have recently emerged such as combinatory of maps and random tensors. Since they imply new forms of integrability, they could greatly benefit from the corresponding leading expertise in Russia.

Partners: The Steklov Mathematical Institute of Russian Academy of Sciences, Université Paris-Sud

BIOLOGY

Growth of the russian pharma – biotech market: opportunities of collaboration with France

October 19
Moscow

Skolkovo (Hypercube)

100

Russian pharmaceutical and biotech sector is a growing area: in recent years many companies have been created and present a real potential of development. They are looking for new collaborative opportunities for research and development of new products. For European companies, these start-ups also offer opportunities for investment, technologies transfer and business partnerships.

In this regard, France is successfully positioning for innovation and has scientific expertise and advanced technical solutions which can be used to contribute to this transformation process. French companies are interesting potential partners who can benefit from the sector's growth and join the job creation process for services related to research and development.

The objectives of this conference:

• Transmit Russian startups the key elements for a successful international development

• Offer the possibility for different actors (research centers, startups, investors) in technological innovation to create new business leads.

• Encourage partnerships between French companies specialized in commercial support and Russian startups who want to enter the European market.

Partners: Bioinnovex

TRANSPORTS

2nd French-Russian Aerospace Educational and Scientific Forum	**November 30 December 1st** Toulouse
	350

For several years Russian and French universities strive to reach the international level in order to strengthen and expand the network of cooperation in the field of education, innovation and industrial development. Considering this need, the forum organizers hold the event on relevant issues of scientific and educational cooperation: the development of scientific and academic relations, launch of joint projects that meet needs of the industry in personnel training, the signing of cooperation agreements and double-degree educational programs focused on project management and innovation, technical service, supply management, and quality improvement and manufacturing process. The purpose of this forum is to reach the needs of the industrial sector and creating a platform for dialogue to establish new cooperation between Russia and France, allowing expanding and strengthening the branch network of cooperation through education, science and innovation in the field of aviation and cosmonautics.

French-Russian Aerospace Educational and Scientific Forum aims to incorporate leading experts of the French and Russian universities, major research centers and companies of the industry, as well as scientists and researchers to discuss the expansion and make decisions on the development of prospective areas of existing and potential partnerships.

Goals of the forum are the development of scientific and innovation activities of universities of France and Russia, raising the level of academic mobility, establishment and strengthening of cooperation between the two countries in the field of science and education, attracting the attention of the academic community and employers to the issues of improving the training in the aerospace industry, the prospects of joint international cooperation.

Partners: Moscow Aviation Institute, French Embassy in Russia

CHEMISTRY

Lecture: 20 years of French-Russian collaboration in the field of cholinesterase enzyme studies	**November** Kazan
Kazan Federal University	100

The results of more than two decades of studies the cholinesterase enzyme in collaboration of Patrick Masson with various Russian research teams will be presented during the lecture.

During 42 years, Patrick Masson was on duty in the Military Medical Service of France. He was working in the Army Medical Research institute in the field of medical chemical defense. During the past 20 years, his scientific work included collaboration with Russian research institutes. Thus, Professor Masson has a unique experience in Russian-French scientific collaboration, which should be of interest both for a wide audience of researchers and to organizations involved in strengthening Russian-French national friendship and partnership.

Patrick Masson, retired major general (3 stars) of the French Army, Former professor at the Ecole du Val-de-Grâce (Army Medical Academy in Paris), full member of the French National Academy of Pharmacy, corresponding member of the French National Academy of Medicine, Knight of the Legion of Honour, Commander of the French National Order of Merit

Partners: Kazan Federal University

Hubert Curien Partnership – Selection Committee

October 21
Moscow

Ministry of Education and Science

The Hubert Curien Partnerships (PHC) are part of the support policy for international scientific and technological exchanges of the French Ministry of Foreign Affairs and are being implemented with the support of the Ministry of Education, Higher Education and Research.

In Russia, it is implemented by the Ministry of Education and Science.

The objective of this program is to foster new cooperation between researchers and develop high-quality scientific and technologic exchanges between universities and research institutions of both countries. The projects are proposed by a French team and a Russian team.

The 2015 call selected and funded six projects for 2015-2017.

CNRS / RFFI 20th anniversary of collaboration

November 9-10
Moscow

To celebrate de 20th anniversary of the strategic partnership between the CNRS and RFFI (РФФИ), 13 personalities from the Russian scientific community have been distinguished with the medal of the Order of Academic Palms, for their contribution in the strengthening of the bilateral relations between our two countries. The ceremony, held at the Ambassador's Residence in Moscow on November 9th, was also the occasion to sign a "Memorandum of Understanding for a Joint French-Russian research in the field of restoration, reconstruction and conservation of historical and architectural cultural heritage" between the CNRS and ITMO University.

On November 10th, the French and Russian delegations from the two institutions, along with representatives of the Russian ministry of education and science as well as French and Russian eminent scientists, have gathered at the "Scientist's house" of Moscow for a one day conference.

Visit of the permanent secretary of the French Academy of Science to Russia, Mrs. Catherine BRECHIGNAC

November 10-16
Moscow
St-Petersburg

The permanent secretary of the French Academy of Science, Mrs. Catherine BRECHIGNAC, together with the honorary president of the French Academy of Technology Mr. François GUINOT, were in Moscow and Saint-Petersburg for a special visit to the highest scientific institutions of the country.

In Saint-Petersburg, the delegation visited the Ioffe Institute (with its director Mr. A. Zabrodskiy), the Polytechnic University and the Center of agricultural microbiology (with its director Mr. I. Tikhonovitch) where they visited several laboratories.

In Moscow, the work program included stops at:

- the Lebedev Institute of Physics, where the delegation visited a dozen of laboratories together with the director of the Institute Mr. N.N Kolatchevski.
- Skolkovo, including a meeting with its director Mr. A.P Kuleshov
- the Lomonossov State University, including a meeting with its rector Mr. V.A Sadovnitchi
- the Russian Academy of Sciences – where Mrs. Brechignac and Mr. Guinot held a conference at the presidium and met with the President of the Academy Mr. V.Y Fortov.

AGRONOMY

4th Franco-Russian Forum on Agronomic research & education

November 16-17
Nantes

Ecole Supérieure du Bois

60

It is the fourth meeting of that kind following those of Krasnodar (2010), Bordeaux (2012) and Moscow (2014). On the French side it is supported by the Direction Générale de l'Enseignement & de la Recherche (DGER-MAAF), the Direction Générale de la Performance Economique & Environnementale des Entreprises (DGPEE) and the French Embassy (Service de Coopération & d'Action Culturelle - SCAC) which will make links with their Russian counterparts. It was officially introduced by the representative of the Service Economique Régional (SER) of the French Embassy at the 21st "Conseil Economique, Financier, Industriel et Commercial franco-russe, (CEFIC) in Moscow on 25/01/2016. It is supported by the French and Russian Ministries of Agriculture, the French Embassy and Institut Français in Moscow. The French Ministry of Agriculture (MAAF) has allocated a budget to support part of the event. Judging by the actions led by the French & Russian higher educational institutions in the aftermath of the three previous meetings, an actual positive impact of the event is expected on French-Russian cooperation in agricultural education and the related sectors. The latest meetings between the French and Russian government officials and diplomats (CEFIC…) underline the willingness to enhance the cooperation in agriculture and food-processing by, for instance, removing the (agri-food) embargo between the two countries. Last but not least, the event will promote the cooperation in such fields as agriculture, agro-ecology or agro-food and trigger off new partnerships between the institutions.

Partners: Ecole Supérieure du Bois, French & Russian Ministry of agriculture, French Embassy, French Institute

Visit of the French Secretary of State for Higher Education & Research – Thierry MANDON

November 16-19
Moscow-Baikonur

The French Secretary of State for Higher Education & Research, Mr. Thierry MANDON is waited in Moscow where he will meet with Mr. Alexei LOPATINE, vice-Minister in charge of research, innovation and international cooperation, as well as with Mr. Andreï FOURSENKO, Aide to the President Vladimir Putin for higher education and research.

Both parties discussed the current state of Russian-French cooperation in the field of science, innovations, education and scientist's mobility.

The joint participation of French and Russian scientists in international research centers and organizations was evoked, as well as the wish to increase the number of contests to support joint Russian-French research projects, and the creation of a network of universities.

Despite strong bilateral inter-University ties that already exists (more than 400 agreements); both countries agreed on continuing to develop this aspect of their cooperation. The necessity of stimulating the popularization and teaching of the Russian language in France (and vice-versa) was underlined.

On November 17th, Thierry Mandon was at the Baikonur Cosmodrome for the launch of the Soyouz rocket which headed to the International Space Station (ISS) carrying the French astronaut Thomas Pesquet along with Peggy Whitson (USA) and Oleg Novitsky (Russia).

EARTH SCIENCES

VII Children Paleontological Conference

November 26-27
Perm

Perm Regional Museum

500

Children Paleontological Conference is held in Perm since 2010 annually, and gathers up to 500 participants – children aged 7-17 years. Applications are received from all over Russia: from Perm Region to Moscow, Tatarstan, Chelyabinsk and Vologda Region, etc.). The Conference is organized by Perm Regional Museum in partnership with scientists from the Paleontological Institute of the Russian Academy of Sciences (Moscow) and the Perm State National Research University (Perm).

The Conference runs a section of research and reference works, and a section of creative works. Lecture cycle "Scientists to children" is a part of the Conference, which gives an opportunity for children to meet leading paleontologists and geologists from Russia and abroad, and allows children to meet advanced science face to face.

The Conference also include methodical scientific seminar for teachers of geological research pupils sections, and parents whose children are addicted to paleontology.

Perm regional museum is the largest regional museum in Russia, founded in 1890, and Museum of Permian Antiquities, its paleontological division, opened in 2011, was nominated for the "European Museum of the Year - 2015" for its excellence in public quality and sophisticated learning programs.

Partners: Perm Regional Museum, CNRS

PHARMACEUTICAL

Galien Prize - Russia	December 1st Moscow
http://prixgalienrussia.com/ru/	150

The Prix Galien award was created in France in 1970 to recognize biomedical innovation that improves the human condition. It is often dubbed the Nobel Prize of the Pharmaceutical Industry. National Prix Galien Awards laureates are now delivered in 18 different countries.

Workshop: Big Data Applications

December 1-2
Moscow

National Research University Higher School of Economics

65

This is the first workshop focused on R&D activities in the area of Big Data applications. Participants will exchange their ideas during the workshop and share their experience in the field of Big Data, which would lead to the process of forming new proposals for joint research and development projects..

Partners: National Research University Higher School of Economics, French Embassy in Russia, Institut Mines-Telecom

MATERIALS

Workshop - Beyond silicon: heterojunctions and multijunctions solar cells	**December 6th** Gif-sur-Yvette
Institut Photovoltaïque d'Ile de France	40

The photovoltaic market has been steadily increasing during the last years. The workshop will first give the opportunity to present the status of the worldwide market and of the research and developments in France and in Russia. Silicon solar cells are by far dominating the market, however the performance of silicon cells are now close to the theoretical limit of approximately 30% efficiency. New routes have to be explored to reach higher efficiencies. Heterojunctions and multijunctions offer wide possibilities and will therefore be the focus of the workshop that will present the various aspects from theoretical to practical and technological issues and progress obtained recently in France and Russia.

Partners: Laboratoire de Génie Electrique et Electronique de Paris, Saint-Petersburg Academic University

International PhD School - Visions in Fundamental Physics

December 10-16
Moscow

MEPHi

70

The second Landau-Dirac meeting that will be organized in Moscow in December is a direct consequence of the signature of the French-Russian Ph.D program in Fundamental Physics last June.

The objectives of this PhD program are:

- The creation of a perennial Ph.D training school where professors from partner universities will share their lessons particularly in the context of joint training that will take place every year in Russia and France,

- Increasing mobility between the two countries inside the consortium partners both among students and professors.

- Ensure the allocation of a joint doctoral degree at the end of the program.

- Even if the main language is English, a linguist component will be present to promote the dissemination of cultural exchange between the two countries.

The lab. LAPTh will host the first doctoral student of new Ph.D program: Nina Smirnova will start a Ph.D thesis on the topic of the first stars of the universe under the supervision of Pascal Chardonnet (LAPTh) and Valery Chechetkin (KIAM Moscow).

It is the first time that Russia will organize this Ph.D School in Fundamental Physics. The list of preliminary speakers includes:

1) Astrophysics and cosmology:, V. Chechetkin, V. Rubakov, A. Cherepachuk, G. Bisnovatyi-Kogan, P. Salati, P. Chardonnet

2) Extreme light science: G. Mourou, A. Sergeev, A. Fedotov, D. Blaschke, G. Korn

3) Fundamental interactions and elementary particles. Lecturers: M. Danilov, F. Boudjema, G. Roepke, G. Belanger

4) Mathematics in theoretical physics: P. Fre, A. Aptekarev, L. Frappat, B. Chetverushkin

5) Energy and Climate : Evgeny Velikhov, TBA for climate

Partners: Keldysh Institute of Applied Mathematics, National Research Nuclear University (MEPhI), Université Grenoble Alpes, COMuE Grenoble Alpes, Université Savoie Mont Blanc. Associated partners: IKI Moscow and MSU.

MATERIALS

Exhibition: “Pierre Martin - The spark of metal - the Muse of painters”	**December 16** Moscow
National University of Science and Technology MISiS	40

On the basis of the collection of objects and documents of the family of Pierre Martin, a great French inventor, dated to the 19th century, and electronic works of art the exhibition gives an opportunity to see original documents and unpublished reminiscences of members of the Martin family that will be harmoniously complemented by animations in an interactive form on the basis of paintings, depicting industrial landscapes with views of the first factories, furnaces, manufacturing processes in France and Russia in the industrialization era (1850-1950).

Partners: National University of Science and Technology MISiS, Le Centre de Russie pour la Science et la Culture à Paris.