

HERALD OF RUSSIAN-INDIAN NETWORK

Indo-Russian Joint Research Call for Proposals 2016 Deadline: 15th November 2016

Department of Science & Technology (DST), Govt. of India and Russian Foundation for Basic Research concluded an MoU for funding of Joint Research Proposals in India and Russia in the areas of Basic Science. Under this MoU each project will receive annual funding of up to equivalent of US \$ 20,000 (roughly Rupees 1,200,000/- from DST to the Indian partner and up to Rbls. 600,000/- from RFBR to the Russian partner).

DST and RFBR invite Indian and Russian scientists/researchers to submit proposals for Joint Research Project in the following areas of basic sciences under DST-RFBR cooperation:

- Mathematics, Mechanics and Informatics;
- Physics and Astronomy;
- Chemistry;
- Biology and Medical Sciences;
- Earth Sciences;
- Telecommunications and Computer Sciences;
- Fundamental of Engineering Sciences.

Proposals submitted in other research areas will not be considered.

The duration of each project will be two years initially. After the completion of this period, an application for additional one year may be considered on the merit of the progress.

The team leaders should submit an application to respective nodal agency, upon consultations, using the respective forms prescribed by DST and RFBR. Applications submitted by one side only; not on prescribed format and received after due date will not be accepted.

For further details and clarifications, if any, kindly contact any of the following in India or Russia:

For India

Mr. SK Varshney, Scientist 'G', International Division Department of Science & Technology, Ministry of Science & Technology, Technology Bhavan, New Mehrauli Road, New Delhi – 110 016., India

Fax: +91-11-26862418 E-mail: skvdst@nic.in

URL: www.dst.gov.in

For Russia

Ms Mirzabekova Andreevna Asya International Relations Department, Russian Foundation for Basic Research B-334, FSP-1, Leninsky Prospect- 32A Moscow - 119991, Russia

e-mail: asya@rfbr.ru

URL: <http://www.rfbr.ru>

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E-Newsletter is released on monthly basis. We invite organizations, agencies, institutes and universities of Russia and India to send information and news for publishing in e-Newsletter. We accept the following types of information:

- 1) upcoming conferences, seminars, summer/winter schools;
- 2) grants and contests;
- 3) scholarships/call for papers;
- 4) proposals for joint projects;
- 5) news about achievements and new research directions;
- 6) information about departments and faculties looking for partners in Russia and India;
- 7) vacancies.

Contact us: news@rusindia.ru

NEWS and EVENTS



Russian-Indian Workshop at Nosov Magnitogorsk State Technical University.

At the end of September 2016, Nosov Magnitogorsk State Technical University, or NMSTU, welcomed the official representatives of the Indian Institute of Technology Bombay (IITB) Narasimhan Krishnaiyengar and Gururajan Mogadalai Pandurangan. This visit was a part of the cooperation under the aegis of the Russian-Indian Network of Institutions of Higher Education. NMSTU and IITB are also in the process of implementing the 2013 Memorandum of Understanding covering a broad range of joint

activities from joint research and publications to student and faculty exchange.

The Indian researchers came to NMSTU to take part in the workshop in Current Trends in Modelling of Microstructural Evolution during Plastic Deformation. The workshop included lectures by Narasimhan Krishnaiyengar and Gururajan Mogadalai Pandurangan featuring the following subjects: 'Improved predictions of forming behaviour using microstructural inputs', 'Phase field models for modeling microstructural evolution', 'A novel failure criterion for measuring / predicting localized necking during sheet metal forming and hydroforming', 'On modelling twin-dislocation interactions using atomistic and dislocation dynamics models', 'Multiscale modeling of deformation twinning', 'Constitutive behavior and forming limits prediction during hot stamping of steels'.

Apart from the lectures, the Indian professors conducted seminars and consultations for NMSTU faculty, research fellows and postgraduate students, where they introduced a number of advanced approaches to modelling and answered numerous questions.

The visitors were shown around the university facilities, including the Science Park and the Nanosteel Institute within the Educational and Research Centre, the Museum of Stone and the laboratories of the Metallurgy, Mechanical Engineering and Materials



Processing Institute. Indian guests met with the students of the Institute of Humanities who study English. The meeting included a lecture by the Indian professors and a general discussion covering the culture and traditions of the two countries.

During their official meeting with rector Valeriy Kolokoltsev the Indian guests actively supported the collaboration ideas proposed and offered their suggestions. Both parties intend to collaborate in such areas as faculty and student exchange, joint research aimed at introducing new technologies into the industry, joint supervision of Master's and doctoral theses, joint online courses and other.



Promoting Russian-Indian science and education cooperation

Dr. Abhishek Vaish, Counsellor for Science and Technology of the Embassy of India in Russia, has visited Tomsk with intense program of meetings.

Dr. Abhishek Vaish visited Tomsk State University, Tomsk Polytechnic University, Siberian State Medical University, Tomsk State University of Control Systems and Radioelectronics.

Meetings with official representatives of these universities were devoted to the discussion of a wide range of questions regarding science and education cooperation of Russian and Indian institutions, and possible ways and programs, which can be used for this cooperation, including GIAN program (Global Initiative of Academic Networks). Special emphasis was done on the possibilities of cooperation in the framework of Russian-Indian Network of Institutions of Higher Education.

During his visit Dr. Abhishek Vaish gave a lecture "Modern Russian-Indian relations in the field of science and technology" for students of Tomsk State University.

The Counsellor had also meeting with Deputy Head of Research Institute of Cardiology Professor Shamil Akhmedov. The reason for his visit was the upcoming round table of "Consortium BRICS-Biomed". Round table was held from 12 to 14 October 2016, in Delhi, on the eve of the BRICS summit of the BRICS.



Four BRICS Biomed centres to be set up in India by 2025

BRICS-Biomed Consortium, established for promoting biomedical technologies to treat diseases, will set up four centres in India by 2025. The main aim of creation of the consortium is to develop new biomedical technologies for diagnosis and treatment of human

diseases, development of domestic demand and export of biotech products, creation of technological base for new biotech areas of industrial sector.

"The aim of the consortium is to provide affordable and novel medicines. The BRICS Biomed Cooperation aims to augment innovation and product development in biomedical areas. The consortium is also looking at promoting traditional herbal medicine from BRICS. By 2025, BRICS Biomed Centre in India will be established in Kanyakumari, Bangalore, Hyderabad and Delhi," said Dr S G Prakash Vincent, chairman Associate BRICS-Biomed (India- Academic), at a seminar last week in New Delhi.

According to industry experts, biomedical technologies sector will witness an investment of \$ 5 billion and \$ 50 billion returns are expected between 2015 to 2021.

"Accumulation of biomedical projects from nine Federal Districts of the Russian Federation and other BRICS countries is ongoing for creation of the international database and for search for co-financing of the proposed projects," stated Prof Shamil Akhmedov, Chairman of the BRICS-Biomed, Cardiology Research Institute, Tomsk NRMIC, Tomsk, Russia.

Indian Council of Medical Research (ICMR) is also working closely with the BRICS-Biomed Consortium. "The ICMR was working in line with the priority of the nation which was to focus on non-communicable diseases such as diabetes, cancer and heart diseases. ICMR with its chain of national and regional research centres looks forward to contribute towards the BRICS-Biomed Consortium effectively," commented Harpreet Sandhu of Indian Council of Medical Research (ICMR).

According to Praveen Kumar Vemula, self-assembled biomaterials laboratory, inStem, NCBS, laboratory innovations should not only remain at lab-bench, but should be translatable into the clinic to help people. "Hence, funding should be provided to innovative projects by the biomed consortium. The funding could be for projects at the ideation stage and developmental phase. Also, formal education needs to be imparted and workshops should be held for entrepreneurs and innovators in the field about how to seek funding and IPR. Biomed should also look at transfer of technology as Indian institutes lack the technique," he added.

Source: Business Standard, BS B2B Bureau, New Delhi, October 18, 2016 / <http://mybs.in/2TISlkw>

Call for Proposals
Third International Conference
Social Sciences & Health Innovations:
Making Health Public

May 22-24, 2017, Tomsk, Russia

This conference is the third international event organized as a collaborative endeavor between Maastricht University (the Netherlands), Tomsk State University (Russia), and Siberian State Medical University (Russia).

The goals of preventing disease, prolonging life, and promoting health have long been the locus of efforts by states, cities and other actors in the public health field. Over the past decades public health has built a sophisticated disease surveillance apparatus to identify and track population health issues, and has worked to generate knowledge on the (social) causes of poor health. Public health has brought to life policies and large scale programmes to monitor and prevent infectious diseases, to stimulate healthy eating and living, and to build healthy environments and infrastructures. Currently, the links between global ecological problems (air, water, climate) and public health are increasingly recognized. At the same time classic divides between clinical medicine and public health are vanishing, with new genetic technologies being used to detect risk groups and many clinical specialists recognizing the value of healthy environments and life styles.

Against this background, this conference aims to explore how health is, and can be, made public. What exactly does the 'public' stand for in public health? Public refers to collectives and solidarities on a local, national and global scale; but how are they made, maintained and legitimized amidst diversity of the globalizing world?

This conference examines the complexities of making health public by engaging the perspectives of the social sciences, including science and technology studies (STS), medical anthropology, sociology and history. Furthermore, it is meant to serve as a platform to facilitate dialogue between social and biomedical scientists, public health professionals and policy makers, and for engagement between scholars and practitioners working in the field of health innovations in the post-Soviet region and globally.

Conference speakers:

Tiago Moreira (Reader at School of Applied Social Sciences, Durham University)

Martine Bouman (Scientific Director of the Center Media & Health and Prof. Entertainment Media and Sc Change, Erasmus University Rotterdam)

Vikram Patel (Professor of International Mental Health and Wellcome Trust Principal Research Fellow in Clir Science, London School of Hygiene & Tropical Medicine the Pershing Square Professor of Global Health, Harvard University) – to be confirmed

Susanne Bauer (Associate Professor at the Centre Technology, Innovation and Culture, University of Oslo)

Klasien Horstman (Professor of Philosophy of Public Health, Maastricht University)

We welcome both individual paper proposals and proposals for closed thematic panels. Please submit your applications via the electronic form by 15 January 2017.

Individual paper proposals should be submitted here <https://goo.gl/forms/punKK3KMUCI9ntAj2>

Individual paper submissions should be limited to 600 words (including a short CV up to 100 words). The title of the paper should be limited to 10 words. To assist the program chairs in grouping the papers into sessions, please add three keywords.

Panel proposals should be submitted here <https://goo.gl/forms/QrdKSHGlpf667azP2>.

Panel proposals should include a title, panel description (up to 300 words), and a list of panel speakers (not more than 6 panelists) with their affiliations and titles of the conference presentations.

If you have any questions contact the conference organizers: healthinnovations2017@gmail.com.

Cooperation Proposals



Ugra Research Institute of Information Technologies

invites partners from Indian science and educational institutions for cooperation on wide range of R&D projects: **research in the fields of remote sensing, information and space technology**, as well as **cooperation with the industrial enterprises**.

SPACE AND INFORMATION TECHNOLOGIES

1. Development of information systems based on geo-information and web portal technologies;
2. Acquisition and processing of the Earth remote sensing data;
3. Emergency situations forecast and monitoring (floods, fires);
4. Conservation areas observation ;
5. Monitoring of oil, gas and energy sectors, including flare facilities;
6. Forest areas assessment;
7. Monitoring of road and traffic networks;
8. Buildings 3D modeling;
9. Creation and actualization of populated areas maps.

R&D are fulfilling in two units:

LABORATORY OF INFORMATION AND SPACE TECHNOLOGIES

1. Development of methods, algorithms and software for thematic processing of Earth remote sensing data.
2. Performance of scientific and applied works on assessment and forecasting of natural and anthropogenic objects condition on the basis of the given Earth remote sensing data, ground measurements and other sources.
3. Providing support of modern geo-information technologies for the benefit of other laboratories and centers of the Institute.
4. Creating interactive geo-information web-services based on the Earth remote sensing data.
5. Conducting research on creation of system and

application software for data processing.

6. Organization of modern data storage systems, virtualization, high-speed network access and distributed computing cluster.

Head of the Laboratory
Kochergin Gleb, Ph.D.
+7 (3467) 359-061
+7 (3467) 359-019
KocherginGA@uriit.ru

REMOTE SENSING CENTER

1. Information reception and registration from Russian and foreign satellites, carrying out the Earth sensing.
2. Preprocessing of information.
3. Data archiving, database management.
4. Maintaining a database directory, providing access to it to all potential users.
5. Distribution of satellite data and the results of their processing.
6. Operational space monitoring of objects and dynamic processes in the radio visibility zone of the Center's receiving station on request of interested organizations and enterprises.

Head of the Center
Khamedov Vladimir
+7 (3467) 359-139
+7 (3467) 359-019
XamedovVA@uriit.ru

About URIIT

Ugra Research Institute of Information Technologies was established in 2001 on the initiative of the Government of Khanty-Mansiisk Autonomous Okrug to conduct comprehensive research in the field of information technology and the production of high-end technologies demanded in Ugra. For 15 years the specialists of the Institute have been dealing with applied research in the field of information technology. Developments are conducted in several areas: information-space and GIS technologies; information security; creation of information and telecommunication systems, and educational activities.

For further information please visit
<https://www.uriit.ru/en/about/>



Tyumen Industrial University

Tyumen Industrial University invites partners from Indian science and educational institutions for joint research and application for Russian-Indian competition (-s) under the following themes:

1. **Composition materials based on organic-mineral modified astringent substance for the pavement with special conditions of exploitation**
2. **New energy-effective composite material based on the non-organic astringent substance made of opal materials and polystyrene sand**
3. **Development of composite materials with the programmed properties**
4. **Development of new ground heat stabilizers constructions (TS) and technical tools for temperature fields monitoring**
5. **Cavitation processing of highly viscous liquids**
6. **Theoretical and experimental researches in the field of interaction oxides of alumina and lime- containing materials (industrial waste)**
7. **Increasing the affectivity of drilling technological liquids use**
8. **Development of a new way to get complex metal-oxide catalyzers**
9. **Orientated electrical crystallization, forecasting and mathematical modeling of binary and triple alloys structure**
10. **Analysis of breathability effect on energy efficiency of the residential buildings with skeleton-shield type walling**
11. **Optimization of the color-light environment analysis in the Western Siberia and Arctic cities**
12. **Theoretical questions of growth and dissolution of sludge germs on solid indifferent electrode**
13. **Estimation of the technological liquids influence on oil wells productivity based on the experiments on reservoirs core material**

Contact:

Gordievskiy Alexander
Head of international cooperation development center,
International cooperation department,
Industrial University of Tyumen
Phone: 7(3452)283669
E-mail: gordiev@tsogu.ru, agordijewskij@yandex.ru

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Editor: Olga Ustyuzhantseva

Deadline of information acceptance: 20th of every month.

All requests please address: news@rusindia.ru
