

KNOWLEDGE
OPPORTUNITIES



RUDN
university

DISCOVER WORLD
IN ONE
UNIVERSITY!

PROFESSIONALISM
LIAISONSHIP



RUDN
university

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RUDN UNIVERSITY HAS NO EQUAL



GREENEST UNIVERSITY OF RUSSIA

RUDN University campus is acknowledged to be the greenest and most environmentally friendly among the Russian higher education institutions. 50 hectares of land covered with greenery, own urban forest and paths form a developed green infrastructure which is ranked highly in the world environmental rankings. Moreover, RUDN University is the first higher education institution in Russia where the Faculty of Ecology was established.



MOST INTERNATIONAL UNIVERSITY

Citizens of **158 countries**, representatives of **over 500** nationalities and ethnic groups of Asian, African, Middle and Near East, European and Latin American countries study at our University.



UNIVERSITY PROVIDING AN OPPORTUNITY TO OBTAIN A DOUBLE DEGREE AND ONE IN TRANSLATION

RUDN University implements over **150 joint programmes** with leading universities of the world providing its students with an opportunity not only to obtain a RUDN University and a partner university degrees but to discover the whole world — travel and practice a foreign language, find new friends and acquire valuable knowledge. At RUDN University in addition to the major students can do a program in translation and interpreting and get a translator's diploma. The program offers a wide option of **12 languages**.



MOST COMPREHENSIVE UNIVERSITY

Engineering, natural, medical, economic, humanitarian — all the fields of study are represented at RUDN University. When enrolled in our University future doctors, ecologists, chemists, lawyers, journalists have access to all the education levels: from bachelor's to postgraduate studies and medical residency. Everyone can choose the profession they dream about at RUDN University.



THE ONLY RUSSIAN UNIVERSITY WHICH PRESENTED A GALA CONCERT ON THE MAIN STAGE OF THE UNESCO HEADQUARTERS IN PARIS

The students from European, Asian, African, Middle East, and Latin American countries showed the richness of the world national cultures on one stage in the Discover the World in One University programme. They provided a vivid example of intercultural team united by many-year's tradition of friendship and tolerance.



TRADITIONS

LAUNCHING FOUNTAINS

The **fountains** are one of the RUDN University landmarks, and for many students and graduates they are a symbol of their Alma Mater. Annual ceremony of launching the fountains is associated with the start of spring coming. Being one of the largest fountains of Moscow in terms of the water surface area, meeting place, stumping ground for first-year students and graduates to make a photo, witness of millions of smiles, RUDN University fountains can be deservedly referred to as the heart of its campus.

BUTTERING THE CAT UP IN THE STUDENTS' DAY

Every January brings together students in the co-working space near the bronze symbol of knowledge and wisdom. They believe that it is necessary to make wishes on the Russian Students' Day and the Learned Cat is sure to make their wishes come true. The tradition helps to believe that all your dreams will come true — all you need is to make a wish.

PLANET SOUTH-WEST

The world that students discover at University gives rise to a whole planet — Planet South-West. A big concert in the square in front of the RUDN University Main Building traditionally turns into national exhibitions of National Student Associations, dancing, giving master classes of national cuisines, playing musical instruments. Every year the festival which has taken place **since 1987** merges unique aromas of Armenian dishes, merry melodies of Cuban dances, and soft silks of Chinese dresses.

COUNSELLING AND GUIDANCE

Starting from their first days at University students fall under the wing of senior students — study groups supervisors, national student associations and volunteers, as well as teaching staff and tutors. The counsellors help yesterday's school students in word and deed so that they could settle in and adapt to the University sociocultural environment.

VOLUNTEER MOVEMENT

RUDN University students have been uniting in various volunteer movements for many years in order to protect the environment, help organize significant events and, most importantly, to give their care and warmth to those who need it most of all — orphan children, elderly people, and people with disabilities. The Become a Father Frost event has become one of good traditions. On the New Year's Eve RUDN University Women's Committee conducts charity events for children from the orphans' home. After collecting everything they need and preparing an entertainment programme the team activists set out to the Vladimir Region with the mission of the good — to make a holiday for children.



UNIVERSITY BIRTHDAY

The **5th of February** is a special date for everyone linked to RUDN University as it is on this day that our University was established **in 1960** and now it annually celebrates its birthday. Every year students, graduates, employees, and teaching staff arrive from various corners of the world to congratulate their beloved Alma Mater and participate in the festive events devoted to the anniversary, meet their old friends and share happy memories about their life and studies at University.



CELEBRATORY STUDENT INITIATION CEREMONY

In September, traditional celebratory **student initiation** ceremony launches university life for first-year students. Yesterday's school students receive congratulations and instructions, get first-hand information about the life at RUDN University from the University administration, teaching staff and senior students.



A-STUDENTS' FORUM

Annual **A-Students' Forum** has become a good tradition. The University Rector's Office chooses the best students — those who have achieved high results in studies, scientific activities by working hard. The finale of the celebration is awarding students memorable gifts, personal scholarships, and draw of a car.



STUDENT CONSTRUCTION TEAMS FORUM

Since 1960s, one of the good traditions has been conducting a Student Construction Teams Forum which brings together members, heads and veterans of these teams. Today, student construction teams constitute the largest youth movement in Russia, which unites students from all over the world. Once members of the RUDN University construction teams erected the first academic and residence buildings of the University.



ANNUAL SIGNING OF THE DECLARATION OF RUDN UNIVERSITY STUDENT COMMUNITY

The University core value is **equality**. It is enshrined in the Declaration of the Student Community. Acknowledging equality by students implies tolerance to the right to be different from each other, respect for the cultures of other countries and peoples, various ethnic, political and religious groups. Every year by signing the Declaration heads of the University student associations declare their determination to strive for observing its provisions.



WEEKS OF CULTURE

During the whole year national student associations conduct **Days and Weeks of Culture** at the University. Students present their countries in a bright way and on a large scale. They organize exhibitions of souvenirs and national costumes, conduct master classes where they make exotic dishes and perform national dances and music.

UNIVERSITY HISTORY



Solemn Opening of the University



Where Peoples' Friendship University started. Building in 3, Ordzhonikidze st.



Scientific library of Peoples' Friendship University in the building in 3, Ordzhonikidze st.



Press conference of first Rector S.V. Rumyantsev



Peoples' Friendship University students celebrate their stage victories



Second Rector of Peoples' Friendship University V.F. Stanis with students of the Faculty of Medicine

5 February, 1960

the Regulation on the Establishment of **Peoples' Friendship University** was signed

24 March, 1960

Professor **Sergey Vasilievich Rumyantsev** was appointed Rector of Peoples' Friendship University

16 August, 1960

the first University department — Department of the Russian Language and Methods of Teaching Russian as a Foreign Language — was established

8 September, 1960

the University Polyclinic was opened

1 October, 1960

classes began at the Preparatory Faculty, **539** students from **57** countries were enrolled



First student of Peoples' Friendship University — citizen of Sierra Leone Ahmed Murad Taki, holder of Student ID Card No 1, 1966 graduate of the Faculty of Medicine

1 October, 1960

opening of the University **Scientific Library**

29 October, 1960

the **Komsomol organization** of the Peoples' Friendship University was established

17 November, 1960

Grand Opening of the Peoples' Friendship University in the House of Unions Pillar Hall with the participation of Chairman of the Council of Ministers of the USSR N.S. Khrushchev

February 1961

the University was named after **Patrice Lumumba** — symbol of the African peoples' fight for independence



First University alumni



First issue of the Druzhba newspaper



Studying Ophthalmology



Constructing the Main Building in Miklukho-Maklaya st.



Building student hostels for Peoples' Friendship University students

27 November, 1961

the **first specialist**, who completed the full course of study ahead of schedule under an individual plan, graduated from the Faculty of Economics and Law



Citizen of Zanzibar Hang Kashim was awarded Diploma № 1

5 February, 1962

the first issue of the University **Druzhba newspaper** was published

March 1962

establishment of the **Friendship sports club**. The first chairman of the sports club was head coach of the USSR national athletics team I.A. Mudrik

September 1962

opening of the first faculty **Spartakiad** in 6 kinds of sport

1962

the International Student Construction Team was set up

September 1963

the **first student hostel building** in the South-West of Moscow was put into operation

27 March, 1964

the first in the University history **Scientific Student Society** was established in the Faculty of Medicine

12 June, 1964

scientific discovery "**Conjugating Reactions on Membrane Catalysts**" by V.M. Gryaznov, L.K. Ivanova, A.P. Mischenko, Department of Physical and Colloid Chemistry

29 June, 1965

A celebratory meeting dedicated to the **first graduation of specialists** — **288** graduates from **47** countries — was held in the Kremlin Palace of Congresses.

9 April, 1966

solemn foundation stone-laying ceremony of the new educational complex of the University in the **42nd quarter of the south-west of Moscow**

December 1970

Vladimir Frantsevich Stanis was appointed Rector of Peoples' Friendship University. He headed the University until June 1993

22 March, 1971

the first in the University history **A-Students Forum** was held. It became a traditional annual event



Participants in the Rhythms of Friendship ensemble



First International Folklore Festival



Training during the internship

October 1971

Rhythms of Friendship ensemble was created

1974

Garcia Bires (Angola) — **5,000th graduate** (Faculty of Economics and Law), subsequently Rector of Agostinho Neto University

1985

Rhythms of Friendship folk choreographic ensemble was given the name “People’s Team”, and its artistic director V.N. Ryazanova became an Honored Worker of Culture of Russia

26 December, 1985

scientific discovery “**Property of Metal Catalysts in Two-Dimensional Vapor State**” by V.M. Gryaznov, V.I. Shimulis, and V.D. Yagodovskiy, Department of Physical and Colloid Chemistry

1 May, 1987

the **First International Folklore Festival of University Students** took place. Since 1997, this holiday has been called Planet South-West, and it is held in the main University square in May

April 1989

the USSR State Committee for Public Education issued an order to train specialists for foreign countries at the bachelor’s and master’s levels at the University. The multi-level structure of higher education was introduced in Russia in 1992



5 February 1992 — the Decree of the Government of the Russian Federation renamed Patrice Lumumba Peoples’ Friendship University into Peoples’ Friendship University of Russia

June 1993

Vladimir Mihailovich Filippov, Professor, Doctor of Physics and Mathematics, RUDN University graduate, was elected Rector of Peoples’ Friendship University of Russia

September 1996

University students Olga Kolerova, Valentina Sibiryakova, Irina Shavrikova, Marina Maksarova won the **Karate-do World Cup** in the team competition. Olga Kolerova became the winner in the individual competition

2 September, 2001

one of the minor planets of the Solar System was named after the Peoples’ Friendship University of Russia — **RUDRUNA**, its number is 10,010, its location is between the orbits of Mars and Jupiter.

3 September, 2001

opening of the **fountain complex in the main square of RUDN University**. The area of the fountain water surface is 2,500 square metres. At the time it was the largest fountain complex of Moscow.

September 2001

University student Grigoriy Filimonov won the **Cup and Gold Medal of Kickboxing World Championship** in Portugal

14-16 May, 2003

First World Forum of Russian (Soviet) University Alumni. President of Russia Vladimir Putin, who initiated the Forum, took part in the plenary meeting held in the Pillar Hall of the House of Unions



UN High Commissioner
for Human Rights
Navi Pillay's visit



President of the Russian Federation
Vladimir Putin's visit



Main square
of RUDN University



President of the Federation Council
Valentina Matvienko —
Chair of the RUDN University
Supervisory Council



Battarai Hari from Nepal —
100,000th RUDN University
graduate

**July
2006**

50,000th graduate completed his training at university. It was Jose Miguel Atiensia Villiagomes (Ecuador), Master in Automation and Control, Faculty of Engineering.

**December
2006**

the RUDN University KVN team became the **champion of the International KVN Union Higher League**

**October
2007**

the University hosted the **First Science Festival**, which has become a traditional and popular event. The festival programme includes scientists' presentations, master classes, exhibition of achievements.

2009

the Moscow City Government awarded the title of the **Best Student Campus of Moscow** to the RUDN University campus

**14 February,
2011**

UN High Commissioner for Human Rights **Navanethem Pillay** visited the University

**12 February,
2013**

Rector of RUDN University V.M. Filippov was appointed **Head of the State Commission for Academic Degrees and Titles** by the Decree of the Prime Minister of the Russian Federation

**21 November,
2013**

the University hosted the first in the history of Russia Literary Meeting where **President of the Russian Federation Vladimir Putin** participated

**16 October,
2014**

President of the Federation Council of the Russian Federation **Valentina Matvienko** was elected the Chair of the University Supervisory Council established as a result of the RUDN University transition to the status of an autonomous state institution

**3 February,
2015**

the grand opening of the **Educational and Scientific Innovative Mission Control Center** (MCC RUDN University-TsNIImash) and Russian Space Systems **Training and Demonstration Centre**

**28 April,
2016**

establishment of the national Rector's Office of the Shanghai Cooperation Organization Network University. Since 2012, the President of the Council of the SCO Rectors has been Rector of RUDN University V. M. Filippov.

**April
2017**

a cultural entertainment event involving University students took place on the **main stage of the UNESCO headquarters in Paris**, the first ever performance of student groups on the stage of the headquarters

July 2017

Battarai Hari (Nepal) — 100,000th graduate, Institute of Medicine, General Medicine

**September
2018**

Decree of the Government of Moscow No 1033-ПП «**On naming the designed Moscow metro station** located at the intersection of Akademika Oparina Street and Miklukho-Maklaya Street after Peoples' Friendship University»

CONTINUITY OF GENERATIONS: FROM PEOPLES' FRIENDSHIP UNIVERSITY TO RUDN UNIVERSITY



WE SPEAK **THE LANGUAGE OF FRIENDSHIP!**



WE ARE DIFFERENT — **WE ARE EQUAL!**



WE UNITE TO **MAKE THE WORLD BETTER!**



WE BUILD OUR UNIVERSITY **WITH OUR OWN HANDS!**



RUDN UNIVERSITY TODAY



392



38



by subject

151-200
MODERN LANGUAGES

251-300
LINGUISTICS

366
ARTS AND HUMANITIES



301-400
BUSINESS AND ECONOMICS

501-600
COMPUTER SCIENCE

501-600
SOCIAL SCIENCES

600
CLINICAL, PRE-CLINICAL AND HEALTH

601-800
PHYSICAL SCIENCE

601-800
ENGINEERING AND TECHNOLOGY



200,000+ GRADUATES

33,000+ STUDENTS FROM **158** COUNTRIES

~9,300 INTERNATIONAL STUDENTS

429

DEGREE PROGRAMMES

166

JOINT EDUCATIONAL PROGRAMMES WITH PARTNER UNIVERSITIES

2,100+

FURTHER EDUCATION PROGRAMMES

30

SUBJECT-ORIENTED CLASSES

AND 6

RUSSIAN LANGUAGE CENTRES

IN 22

COUNTRIES

14 STUDENT HOSTEL BUILDINGS FOR **~9,000** PEOPLE



FACULTIES INSTITUTES AND ACADEMY



**INSTITUTE
OF MEDICINE**



**ACADEMY
OF ENGINEERING**



**FACULTY
OF ECOLOGY**



**FACULTY
OF ECONOMICS**



**FACULTY
OF PHILOLOGY**



**AGRARIAN
AND TECHNOLOGICAL
INSTITUTE**



**INSTITUTE
OF FOREIGN
LANGUAGES**



**FACULTY
OF THE RUSSIAN
LANGUAGE
AND GENERAL
STUDIES**



**FACULTY
OF HUMANITIES
AND SOCIAL
SCIENCES**



**INSTITUTE
OF LAW**



**INSTITUTE
OF HOSPITALITY
BUSINESS
AND TOURISM**



**INSTITUTE
OF WORLD
ECONOMY
AND BUSINESS**



**INSTITUTE
OF SPACE
TECHNOLOGY**



**ACADEMIC
AND RESEARCH
INSTITUTE
OF GRAVITATION
AND COSMOLOGY**



**ACADEMIC
AND RESEARCH
INSTITUTE
OF COMPARATIVE
EDUCATIONAL
POLICY**



**INSTITUTE
OF BIOCHEMICAL
TECHNOLOGY
AND NANOTECHNOLOGY**



NADEZHDA AND OLGA CHUHNO

Faculty of Science
Field of Study — Fundamental Information Science and Information Technologies

Russia

“Our teachers set various tasks for us and sent us to international conferences to make us interested. Thanks to our instructors’ active efforts we took a real interest in science.”

SINO DZHONOV

Institute of Law
Field of Study — Legal Studies

Tajikistan

“I can say that the quality of education here is great. After my fourth year I found a job without any problems. I have been working for a construction company for two years. It deals with constructing significant facilities in Russia: stadium for 2018 Football World Cup, Zaryadiye park, Vostochny Space Centre”

MARY CHRISTU

Faculty of Philology
Field of Study — Philology

Cyprus

“10 terms with only excellent marks is great work. However, the University has always supported me everywhere by providing comfortable working space both at University and at home; modern material and up-to-date examples, but, most importantly, competent teaching staff who not only know their subject but know how to convey their knowledge”

ESPARSA SANDOVAL CESAR AUGUSTO

Faculty of Science
Field of Study — Fundamental Information Science and Information Technologies

Colombia

“There are very many useful devices in the laboratories. When I only started to study I couldn’t even turn them on but the longer I worked together with my teachers the easier it became for me to use these devices. It is working with the state-of-the-art equipment and getting results that motivates you”

BATARRAI HARI

Institute of Medicine
Field of Study — General Medicine

Nepal

“I admire how the teaching staff treat students. Everybody knows your name, greets you as an equal, knows about your interests... In my first year I had to take an exam in a very complicated subject — Histology. 7 years passed and the teacher met me and asked: “Hari, how are your state exams?” It’s good when one knows what happens in your life, when the answer to the question “How are you?” is really important”

ROMEO GLORIER PATRICE NTSIKASSUMBA

Faculty of Philology
Field of Study — Philology

Congo

“I had difficulty in learning the language and I was even ready to give up. By the second term of my studying in the Preparatory Faculty I had managed to overcome the language barrier. Thanks to my teachers, they managed to make me more confident, supported, and helped me. RUDN University for me is not just a university but the place where I feel at home. Teachers don’t treat students as foreigners, they teach everybody equally well”

MODERN SPACE INSPIRES RESULTS





SCIENCE IN FACTS

EXPLORE THE WORLD – OPEN UP OPPORTUNITIES

RESEARCH INSTITUTES



**JOINT INSTITUTE
OF CHEMICAL RESEARCH**



**S.M. NIKOLSKIY INSTITUTE
OF MATHEMATICS**



**INSTITUTE OF APPLIED MATHEMATICS
AND TELECOMMUNICATIONS**



**INSTITUTE OF MODERN
LANGUAGES, INTERCULTURAL
COMMUNICATION
AND MIGRATIONS**



**INSTITUTE OF INNOVATIVE
ENGINEERING TECHNOLOGIES**

RESEARCHERS

2,800 ACADEMIC STAFF MEMBERS
FROM **69** COUNTRIES



**MOST CITED RUSSIAN RESEARCHER
OF RUDN UNIVERSITY**

Zhanna Kobalava, Dr. Habil. in Medicine

Citations: 8,914 Scopus
7,222 WoS



**MOST CITED FOREIGN RESEARCHER
OF RUDN UNIVERSITY**

**Rafael Luque Alvarez de Sotomayor,
PhD in Chemistry**

Citations: 17,457 Scopus
16,588 WoS

INTERNATIONAL SCIENCE AT RUDN UNIVERSITY

5 INTERNATIONAL SCIENTIFIC BOARDS
FOR EXTERNAL EXPERTISE OF THE THEMATIC
PORTFOLIO OF SCIENTIFIC RESEARCH



INCREASE IN PUBLICATIONS IN INTERNATIONAL COLLABORATION

YEAR	2015	2019
SCOPUS	86	695
WOS	75	579

RESEARCH INFRASTRUCTURE

**SUPERCOMPUTER
WITH THE CAPACITY OF 205 TERAFLUPS
13th IN CAPACITY IN THE CIS**

11 WORLD-CLASS LABORATORIES AND RESEARCH CENTRES

- Dynamics of Languages in a Minority Situation laboratory
- Microwave-Assisted Organic Synthesis laboratory
- Crystal Chemistry and Structural Analysis research centre
- Molecular Design and Synthesis of Innovative Compounds for Medicine research centre
- Smart Technologies of Sustainable Urban Development under Global Changes laboratory
- Centre for Mathematical Modelling and Design of Sustainable Ecosystems
- Mathematical Modelling in Biomedicine interdisciplinary research centre
- Research Centre for Applied Probability Analysis
- Research Centre for Nonlinear Problems of Mathematical Physics
- Laboratory of Studying Innovative Ways of Drug Delivery
- Additive Technologies Laboratory



WORLD-CLASS PUBLICATIONS

**6 RUDN UNIVERSITY SCIENTIFIC
JOURNALS ARE INDEXED**

BY Scopus AND  **WEB OF SCIENCE™**

- RUDN JOURNAL OF RUSSIAN HISTORY
- MODERN MATHEMATICS. FUNDAMENTAL DIRECTIONS
(as a part of JOURNAL OF MATHEMATICAL SCIENCE)
- GRAVITATION AND COSMOLOGY
- EURASIAN MATHEMATICAL JOURNAL
- RUSSIAN JOURNAL OF LINGUISTICS
- RUDN JOURNAL OF SOCIOLOGY

INCREASE IN PUBLICATIONS IN JOURNALS INDEXED IN INTERNATIONAL DATABASES

YEAR	2015	2019
SCOPUS	322	1710
WOS	324	1242



engineers

DEVELOPING A SET OF UNDERGROUND EQUIPMENT AND TECHNOLOGY TO INCREASE THE INFLOWS OF OIL AND GAS FROM THE PRODUCTION WELLS AND INTAKE CAPACITY OF INJECTION WELLS PROJECT

PROBLEM

Reducing oil recovery from productive formations due to clogging the bottomhole zone. Need to increase the productivity and injectivity of production and injection wells

RESULT

- The equipment was created to increase oil and gas inflows from wells by 50-70% and injectivity of wells by 2-3 times
- Software systems are developed to effectively clean the bottomhole zone of the wells and improve the filtration properties of JP-Technology
- Drilling costs reduced by 30 times for ONGC company — Oil and Natural Gas Corporation, that produces 70% oil in India

PARTNERS: PJSC TATNEFT, PJSC LUKOIL, JSC NATIONAL COMPANY KAZMUNAIGAS (KAZAKHSTAN)

MEDICINES QUALITY CONTROL PROJECT

PROBLEM

No methods for express identification of medicines authenticity

RESULT

- A software system is developed to control the quality of medicinal products and table water. Mathematical algorithm can tell the original from counterfeits by making comparison with the data in the digital consignment database
- The methods for controlling the quality by the following indicators were introduced in two factories in China:
 - ddw medicinal table waters identification
 - Anaferon identification

PARTNERS: NPF Materia Medica, Heilongjiang State Centre for Sino-Russian Scientific and Technical Cooperation and Industrial Transformation



health specialists

RESEARCH MAKES THE WORLD BETTER



engineers

INTEGRATED TECHNOLOGIES PROJECT APPLYING DIRECT ENERGY DEPOSITION (DED) TECHNOLOGY - DIRECT ENERGY DEPOSITION RIGHT IN THE CONSTRUCTION SPOT

PROBLEM

High cost of changing large industrial parts and traditional methods of their restauration

RESULT

- 3D printing technology for industrial parts is improved due to the developed five-coordinate control and postprocessor for Inss Tek MX-Grande 3D printer
- The service life for drilling shells, hydro pulsators is extended due to the application of hardening coatings (WC +NiCrDSi)



experts
in agriculture

SMART TECHNOLOGIES OF SUSTAINABLE URBAN DEVELOPMENT UNDER GLOBAL CHANGES PROJECT

PROBLEM

The anthropogenic load on the environment is increasing. This results in soil fertility, water resources, and greenhouse gases balance quality reduction.

RESULT

- The value databases on the main parameters of ecological state and vertical sustainability of urban green areas are developed
- The network monitoring steadily the state of green areas at the level of a separate tree is developed. Over 240 devices — tree talkers — send the database on the state of trees using Internet of Things (IoT) technologies

PARTNERS: Nature 4.0 (Italy), Moscow State University Analytical Centre, Humboldt University of Berlin (Germany), Tuscia University, Lomonosov Moscow State University, Saint-Petersburg State Forest Technical University, Russian State Agrarian University — Moscow Timiryazev Agricultural Academy



IT specialists

FORWARD-LOOKING RESEARCH OF INTERNET OF THINGS 5G WIRELESS NETWORKS PROJECT

PROBLEM

Colossal optimization of transport network and communication networks traffic characteristics is necessary for the operation of 5G/5G+ networks and creation of networks for Internet of Things 6.0

RESULT

- The intellectual transport network is developed for the Tactile Internet system and 5G applications with super low latency
- The mechanism for lowering the load for 5G networks, as well as multilevel MEC system is suggested
- The core network was improved to tackle the surge in the network traffic. The network was modified by changing one centralized controller with several distributed SDN controllers
- The metaheuristic optimization algorithm is developed for multicontroller SDN network. It calculates the optimal dynamic number of SDN controllers based on the network load



chemists

- The capacity of the radio network was improved with the unmanned aerial objects system. An algorithm for lowering the load taken energy consumption and latency is developed

DEVELOPMENT OF 'CHEMICAL SOLUTIONS' FOR AGRICULTURE: NEW HERBICIDES AND FUNGICIDES PROJECT

PROBLEM

Agricultural crops decrease due to the tolerance of fungal strains to fungicides and limited methods of herbicide synthesis. Taken increasing population of the planet this can result in mass deficiency in food products

RESULT

- The scalable low-cost method of universal herbicide production is developed
- The industrial method for synthesis of customer-tailored targeted fungicides is developed. It is based on secondary amides

PARTNERS: AO Schyolkovo Agrohim and Avgust group



mathematicians

MATHEMATICAL MODELLING FOR BIOMEDICINE PROJECT

PROBLEM

A great volume of data on oncological and infectious diseases, cardiovascular diseases and pathologies

RESULT

- Cancer tumor development is described taken its angiogenesis, immune response and cancer cells mutation
- Mathematical modelling methods for Biomedicine were applied to study coagulation in the stationary medium and flow
- The viral infection dynamics in the genotypes space was studied and the conditions for sustainable quasi-species populations without mutations or mutagenesis were obtained

PARTNERS: Marchuk Computational Mathematics Institute (RAS), Institute of Machine Science Problems (RAS), University of Lyon (France), Ecole Central of Casablanca (Morocco)

RUDN UNIVERSITY IN THE WORLD

450+ PARTNER ORGANIZATIONS
AROUND THE WORLD





ALUMNI — BRAND AMBASSADORS

The specialists who obtained their degree at Peoples' Friendship University work all over the world. RUDN University has the greatest number of Alumni and Friends Associations among the Russian higher education institutions. They are united by respect to their teachers, love to their Alma Mater and close friendship.

They help with graduates' employment, organize internships and training for students, promote cooperation in education, science and technology, culture, art and tourism

- **DOMINICAN REPUBLIC**
- **HAITI**
- **COLOMBIA**
- **CHILE**
- **PERU**
- **VENEZUELA**
- **MONTENEGRO**
- **SERBIA**
- **POLAND**
- **SPAIN**
- **GERMANY**
- **CYPRUS**
- **PALESTINE**
- **LEBANON**
- **JORDAN**
- **ISRAEL**
- **KYRGYZSTAN**
- **ARMENIA**
- **AZERBAIJAN**
- **SRI LANKA**
- **PAKISTAN**
- **MONGOLIA**
- **CHINA**
- **INDIA**
- **BANGLADESH**
- **MOROCCO**
- **EGYPT**
- **TANZANIA**
- **CAMEROON**
- **BURUNDI**
- **BENIN**
- **RWANDA**

FIRST AND BEST



Amelia Brito Rojas (Cuba)

1965

FACULTY OF ENGINEERING

"I am very proud to be a first graduate of Peoples' Friendship University. I'm proud to be part of it. Wherever I am I always proudly talk about my Alma Mater. Peoples' Friendship University gave me not only the knowledge of geology, but also imparted an understanding of what friendship, joy and other sincere emotions inherent in man are"



Chuku Difu Nsofor Eugene (Nigeria)

1966

FACULTY OF MEDICINE

"I was lucky to live in Russia and study at Peoples' Friendship University. As a student I had only one goal — to save lives and help people.

I received an excellent education and was well prepared for working as a doctor. I'd like to wish today's students to appreciate the opportunities which studying at University offers them, take their chosen profession very seriously and to be faithful in fulfilling their duty"



Kamal Shartuni (Lebanon)

1966

FACULTY OF ENGINEERING

"I consider my studying at Peoples' Friendship University to be the most valuable experience. Thanks to it, I laid a solid foundation for my life, achieved success in business and got everything I was dreaming about when I was a student. I am glad that I have chosen and graduated from the university which opened doors for me"

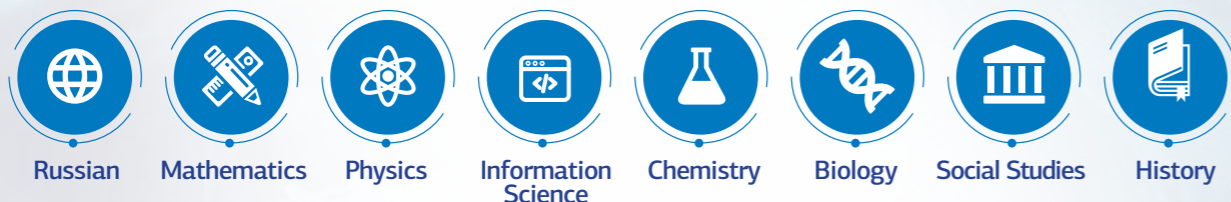
BEST OF THE BEST

Russian Language Centres, subject-oriented classes, Olympiads, resource centres – RUDN University implements pre-university training and talented students' recruiting projects

ADVANTAGES

- Language competences for studying in Russia
- Opportunity to be enrolled in the first year at RUDN University skipping the Preparatory Faculty
- Distance technologies
- Olympiad winners have free education, a scholarship and accommodation

SUBJECTS



RUSSIAN LANGUAGE CENTRES



SUBJECT-ORIENTED CLASSES

LATIN AMERICA	ASIA	AFRICA	MIDDLE EAST AND NORTH AFRICA	EUROPE
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Brazil	Vietnam	Namibia	Lebanon	Turkey
Dominican Republic	China	Zambia	Jordan	Greece
Colombia	India	Angola		Poland
Cuba		Nigeria		
Peru		Tanzania		
Chile		Gambia		
Ecuador				
Guatemala				

RESOURCE CENTRES



Resource centres are a new format of pre-university training for prospective students abroad. Additional classes in Chemistry, Physics, Biology, Russian are conducted at partner schools. School teachers complete special advanced training courses.

The learning kits are developed in 2 variants:

basic (at the state standard level of the Russian Federation) and advanced (Olympiad) levels

There are three models of the resource centres. They can be notionally named as **full-time, blended and distance learning**.

Such an approach attracts international prospective students' attention to the Russian higher education and identifies talented school students.

PROVIDING OPPORTUNITIES

RUDN University is the only higher education institution where a specialized department deals with international students' employment.

DEPARTMENT OF INTERNATIONAL STUDENTS' EMPLOYMENT

FORMS OF INTERACTION WITH EMPLOYERS

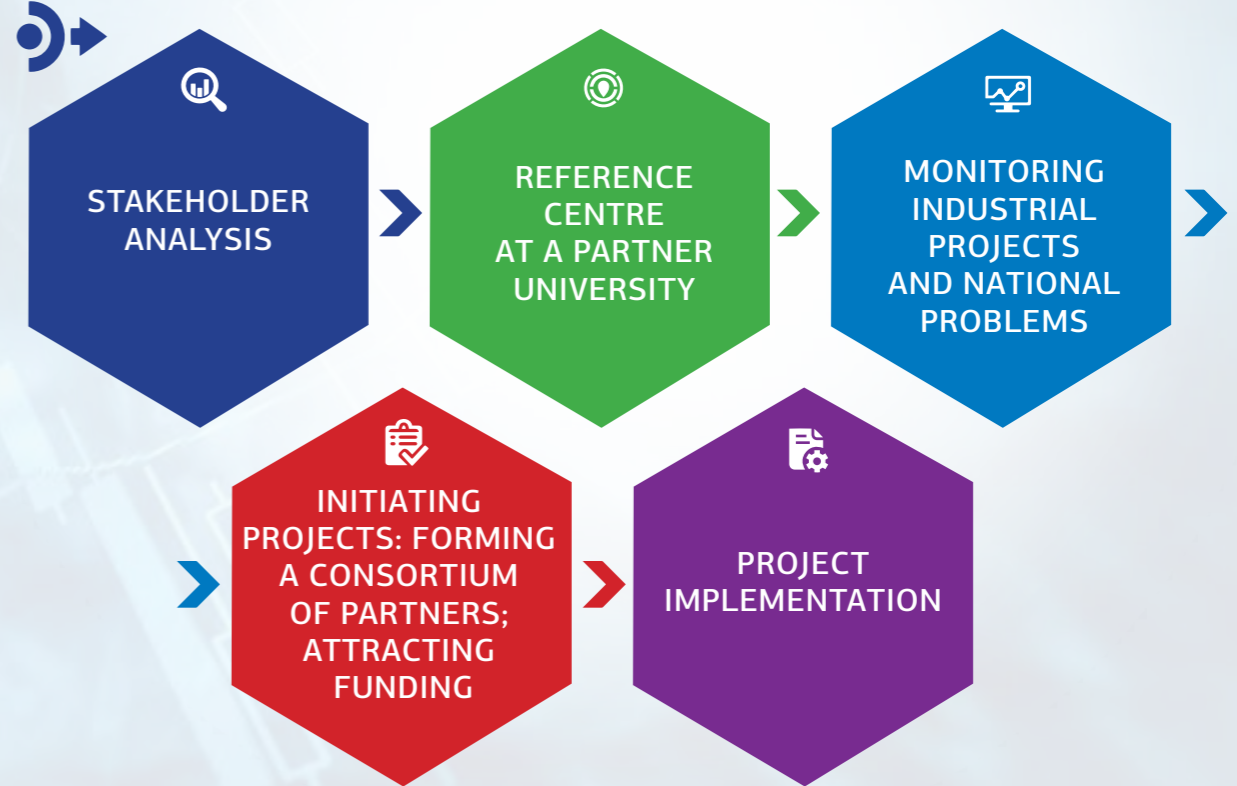
- Involving employers in developing educational programmes, conducting master classes, seminars, workshops
- Implementing joint projects to support students' initiatives
- Employers' scholarship programmes for Russian and international students
- Conducting international competitions for the best applied work among students
- Employer-tailored targeted training for specialists
- Implementing internships and training, providing immersion into professional environment, involving students in project work aimed at partner companies development
- Student internships abroad and/or in Russian Federation-based international companies



IMPLEMENTATION MODEL

RUDN UNIVERSITY IS A PROJECT OFFICE

- Management of international industrial-research and educational projects
- GR-support of projects
- Information support
- Communication –
 - business partners
 - higher education institutions
 - employers
 - alumni



CLUSTERS AS A NEW MODEL FOR INTERNATIONAL COOPERATION

academic and research, and sociocultural practices implemented at RUDN University in close cooperation with foreign partners, i.e.

- Governments
- Ministries
- Universities
- employers
- alumni

Icon	Objective
	UNITING RUSSIAN HIGHER EDUCATION INSTITUTIONS: EXPERIENCE & RESOURCES: intellectual, financial, creative, technological, HR
	INTEGRATING RUSSIAN HIGHER EDUCATION INSTITUTIONS IN THE INTERNATIONAL MARKET THROUGH PROJECT IMPLEMENTATION SYSTEM
	SOLVING PROBLEMS AND DEVELOPING NATIONAL ECONOMY

STUDENT HOSTEL COUNCILS

• **12** FACULTY / INSTITUTE / ACADEMY STUDENT COMMITTEES AND **14** STUDENT HOSTEL COUNCILS

• **7,000** STUDENTS
40% / 2,800 FOREIGNERS

- **OHANA VOLUNTEER DEPARTMENT** — **over 200** volunteers help international students enrolled in the Preparatory Faculty in their adaptation and learning Russian
- **VOLUNTEERS OF THE WORLD CENTRE** — **2,500** volunteers have worked in over 100 events since the centre was established in 2018
- **WOMEN'S COMMITTEE** — university students and staff from all over the world help children's homes, implement educational and cultural projects, organize environmental campaigns (Tasty Festival, Evenings of Culture projects, Women's Club seminar, English Conversation Club, RUDN University Students — to Orphan Children, Free Fair)
- **MERIDIAN OF FRIENDSHIP INTERNATIONAL STUDENT CONSTRUCTION TEAM** — **350** students from over **60** countries renovate their university with their own hands annually

TERRITORY OF LEADERSHIP

NEW SOLUTIONS AND **FRESH PERSPECTIVES**

YOUTH **INITIATIVES**

SOCIAL **PROJECTS**

BRIGHT **EVENTS AND CREATIVITY**

UNITING **STUDENT COMMUNITY**

SUPPORT AND **MUTUAL ASSISTANCE**

• 110 NATIONAL STUDENT ASSOCIATIONS 5 FEDERATIONS 13 ASSOCIATIONS

- **AFRICAN STUDENT ASSOCIATION — ASSAFSTU**
33 National Student Associations. The largest ones - Nigeria, RSA, and Zambia
- **LATIN AMERICAN AND CARRIBEAN STUDENTS FEDERATION**
22 National Student Associations.
The largest ones - Ecuador, Colombia, and Dominican Republic
- **ARAB STUDENT ASSOCIATION**
13 National Student Associations. The largest ones - Syria, Lebanon, and Palestine
- **ASIAN STUDENT ASSOCIATION**
15 National Student Associations. The largest ones - China, Vietnam, and Iran
- **EUROPEAN STUDENT ASSOCIATION**
15 National Student Associations. The largest ones - Bulgaria, Serbia, and Albania



1960

Iraqi Student Association

1961

+ 9 National Student Associations: Indonesia, Yemen, Jordan, Lebanon, Cuba, Sudan, Mexico, Chile, and Japan

1995

first regional international students' organization – Latin American and Caribbean Student Federation

1996

African Student Association – RUDN ASSAFSTU was established

1997

first association of students from the Russian Federation regions – Association of Students from the Republic of Altai

1999

first national association of CIS students – from the Republic of Kazakhstan

2001

RUDN University Arab Student Association and Asian Student Association – ASIA Association

2016

National Association of Students from the Kingdom of Bahrain

2018

National Association of Students from the Republic of the Union of Myanmar, National Association of Students from the State of Eritrea

2019

National Association of Students from the Republic of Panama, European Student Association

CHAMPIONS LEAGUE



NIKA GODUN
Swimming Champion of Russia
Faculty of Economics
2017



TAMARA MUKHACHYOVA
Silver Medalist of the World Acrobatic Rock'n'Roll Cup Ladies (Formations)
Faculty of Economics
2017



ALEXANDER BEVZA
World Arm-Wrestling Champion (left hand)
Academy of Engineering
2018



KONSTANTIN ABDULA-ZADE
World SUMO Champion (weight category – under 115 kg)
Institute of Foreign Languages
2019



MAKSIM CHUMACHENKO
EURO Istanbul 2019 Best Sportsman Cup winner swimmer
Faculty of Science

TITLED UNIVERSITY TEAMS



FEMALE VOLLEYBALL TEAM CHAMPIONS
Euro Milano 2016, 2017

Euro Barcelona 2017, 2018 – World InterUniversities Championships

5th World InterUniversities International Championship 2019 Pula

Euro Istanbul 2019 Silver Medal Winner



SWIMMING UNIVERSITY TEAM

WINNER
Euro Madrid 2016 4x4 super relay

CHAMPIONS
Euro Barcelona 2017

Euro Barcelona 2018 – World InterUniversities Championships

Euro Istanbul 2019



TENNIS UNIVERSITY TEAM

CHAMPIONS
Euro Milano 2017

Euro Milano 2018
Euro Istanbul 2019



WORLD CONCERTS



UNESCO Headquarters (Paris, France)
13 April 2017

RUDN University Gala Evening
29 numbers in 90 minutes
55 students from 25 countries

Irina Bokova, UNESCO Director-General (2009-2017)

“ RUDN University is one of the greatest Russian universities which UNESCO has a longstanding cooperation with. The Peoples’ Friendship University of Russia unites over 30,000 students from 150 countries, e.g. Armenia, China, France, Lithuania, Nicaragua, Nigeria, Peru, Russia, Ukraine, Uzbekistan and many, many others. This is a really global university where science and education of the highest level are combined. This is the place where one generates and shares knowledge. RUDN University is based on common understanding of peoples and respect to the cultural diversity ”



QS Worldwide Conference and Exhibition – global summit of higher education on 22 May, 2018

Concert for 450 participants in the summit
26 numbers in 90 minutes
70 students from 27 countries

Nunzio Quacquarelly, Quacquarelly Symonds Limited
founder and director

“ RUDN University is the most international higher education institution of Russia and the most appropriate platform for QS Worldwide Conference and Exhibition. This University sets an example of leadership striving to change the educational market on the world stage. It is exactly what QS Symonds Ltd. focuses on. Our main goal is to develop international partner cooperation, build relations in the global system of higher education, unite the best practices of various world education systems, link stakeholders to increase international mobility ”

BRAVO!

RUDN UNIVERSITY STUDENTS ON STAGE



● **INTERCLUB –
CREATIVE PLATFORM THAT UNITES**

DANCE GROUPS

Rhythms of Friendship — dances of peoples of the world

Isadora — musical plastique

Adele — samba-reggae, contemporary, jazz ballet, hip-hop, frame-up, jazz funk

Amaren — Show Bellydance, Haliji, Iraqi, Bollywood choreography

Caucasus Dance Studio

VOCAL STUDIOS

Canto — academic vocal

Raduga — folklore performances, jazz productions, musical theatres

Krapiva — variety folk vocal

Interclub’s Vocal School — pop vocal

WHAT? WHERE? WHEN? INTELLECTUAL GAMES CLUB

YOUTH THEATRE

NATIONAL ASSOCIATIONS’ CREATIVE TEAMS

COWORKING AREAS
ARE THE TERRITORY OF FRIENDSHIP,
CREATIVE ACTIVITIES,
COMMUNICATION
AND RESEARCH



ART OF BESTOWING THE BEAUTY OF CULTURE



ART OF BESTOWING THE BEAUTY OF CULTURE



RUDN UNIVERSITY BRAND



OLD BRAND



NEW BRAND

LOGO

Ensures continuity
Changes —
easy to apprehend
and scale

SYMBOLIC SET

Globe and Latin letter U, the vertical strokes of which «surround» the image of the earth surface



**THE GLOBE MEANS
THE INTERNATIONAL
STATUS OF THE
UNIVERSITY**

**Universal,
Unique,
and Uniting
different cultures**

These terms, along
with the word «**university**»,
form the semantic space
united by the opening letter **U**.

MISSION

UNITING PEOPLE
OF DIFFERENT CULTURES BY KNOWLEDGE
**RUDN UNIVERSITY CREATES LEADERS
TO MAKE THE WORLD BETTER**

SLOGAN

**DISCOVER THE WORLD
IN ONE UNIVERSITY!**



GRAPHIC ENVIRONMENT

The vector intersection lines of the meridian,
which set the theme of international cooperation,
different cultures, unite around the common centre:

INTERNATIONAL CHARACTER

LEADERSHIP

DEVELOPMENT

VALUES

- **MULTINATIONAL CHARACTER AND INTERNATIONAL COOPERATION**
- **TEACHING STAFF, RESEARCHERS, STUDENTS, AND GRADUATES' CONTRIBUTION TO THE DEVELOPMENT OF THE WORLD COMMUNITY**
- **COMPREHENSIVE CHARACTER OF EDUCATIONAL AND RESEARCH ACTIVITIES**
- **EQUAL OPPORTUNITIES**
- **COMMITMENT TO STUDIES, RESEARCH, PUBLIC ACTIVITIES**

POSITIONING



ACADEMIC



ENTREPRENEURIAL



GLOBAL



RESEARCH

ANTHEM

I love RUDN University
And I will never forget it!
If I go around the whole world,
I won't find another word
So dear to me.

I love RUDN University for melodic languages,
For mosaic of faces and its goodness.
And I love it because it values deeds more than words,
Because it makes the dream of all the peoples of the Earth come true.

I love RUDN University! I love RUDN!
Oui je t'aime RUDN! Yo te amo RUDN!

I love RUDN University! I love RUDN!
Oui je t'aime RUDN! Yo te amo RUDN!

I LOVE RUDN University!



RUDN UNIVERSITY IN SOCIAL MEDIA

OFFICIAL ACCOUNTS



INSTAGRAM
rudn_university



FACEBOOK ENG
RUDNUniverse



FACEBOOK RUS
RUDN.University



BKOHTAKTE
rudn_university

RUDN UNIVERSITY PLANET CHANNEL IN ENGLISH

PLAYLISTS

- **LEARN ABOUT RUDN UNIVERSITY**
Learn more about the most comprehensive and international higher education institution of Russia
- **RESEARCH WITH RUDN UNIVERSITY**
Simulation centres and laboratories, flight control centre and much more. Young researchers design, study, create with RUDN University
- **ENJOY YOURSELF WITH RUDN UNIVERSITY**
Festivals, weeks of culture, theatre, vocal studios, dancing, sports clubs — discover the world in one University

- **STUDENTS ABOUT RUDN UNIVERSITY**

Students from over 158 countries study at RUDN University. Each of them has their own story. Why was it RUDN University that they chose, what subjects are their favourite, what do they dream about, what have they already achieved? — University with its students' eyes

- **LECTORIUM AT RUDN UNIVERSITY**

Cognitive video lectures delivered by the University teaching staff

- **LEARN WITH RUDN UNIVERSITY**

Broaden your horizons together with the students from all over the world: recipes of national dishes, national traditions and customs, interesting facts, places of interest

WEBSITE



- rudn.ru
- eng.rudn.ru
- esp.rudn.ru
- fr.rudn.ru
- cn.rudn.ru
- ar.rudn.ru

IN MASS MEDIA – FROM THE FIRST HAND

TECH & SCIENCE

WORMHOLES COULD BE PORTALS TO OTHER UNIVERSES—HERE'S WHAT ONE MIGHT LOOK LIKE

BY HANNAH OSBORNE ON 11/1/16 AT 12:35 PM EDT

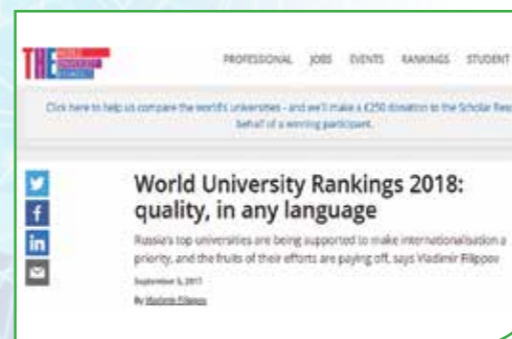


Representative image of a black hole. ISTOCK

Newsweek

Wormholes could be portals to other universes — here's what one might look like

Roman Konoplya, RUDN University: "Wormholes offer a breathtaking — though purely theoretical — opportunity to travel in space with an effective speed, which is much higher than the speed of light, that is, to travel quickly all over the Universe or, possibly, to other universes"



THE

World University Rankings 2018: quality, in any language

Vladimir Filippov, Rector of RUDN University "Russia's top universities are being supported to make internationalization of higher education a priority for their development, and the fruits of their efforts are paying off"

Kirill Bronnikov of the Peoples' Friendship University of Russia (RUDN University), who was also not involved in the paper, is similarly cautious about the idea. "In general, it is reasonable," he says. "Bodies moving on one side of a [wormhole] can affect those on the other side." If such a wormhole were located inside a black hole, inside Sagittarius A*, however, the effects of that black hole's event horizon mean we would never know for sure that it was there. "If there is a wormhole instead of a black hole [with an event horizon], then the main idea of this study does not work," he adds.

SCIENTIFIC AMERICAN

**Hidden Passage:
Could We Spy
a Traversable Wormhole
in the Milky Way's
Heart?**

Kirill Bronnikov, RUDN University

"Bodies moving on one side [of a wormhole] can affect those on the other side. If such a wormhole were located inside a black hole, however, ... we would never know for sure that it was there."
"If there is a wormhole instead of a black hole [with an event horizon], then the main idea of this study does not work"



Daily Mail

Around 1,200 African students study at the Peoples' Friendship University of Russia, located in the South-West of Moscow. It was named after Patrice Lumumba in the Soviet period. Today it is known as RUDN University



BBC

Chimuka Singuwa, 23, master's student from Zambia, studies Theory and History of International Relations at RUDN University
"My grandfather, who studied at Peoples' Friendship University, influenced my choice of the university and the country where I was going to study"



TV5MONDE

Today, the Peoples' Friendship University of Russia accepts 1,200 African students and it is open for the whole world



FT FINANCIAL TIMES

Moscow aims to double university intake from overseas to boost skills and build ties

"I wanted to explore opportunities and have a different university experience, learn about other people and other places," says Desree, a RUDN University student from South Africa, who studies agriculture management.
"It's really interesting to be here"



Forbes

Brains for Business. Why Russian Higher Education Institutions Earn from Innovations

Vladimir Filippov, Rector of RUDN University
"Business cannot be engaged simultaneously in everything: train staff, do research, develop a product, make tests, etc. First of all, it is oriented to making and selling its products. One needs research, developments, experience to make expensive products"



Le Monde

During the World Cup we watched the match between Egypt and Uruguay with the Arab students from RUDN University. Since the establishment of RUDN University in 1960 thousands of graduates from all over the world received their degrees there. Today, 32,000 students study there

RUDN UNIVERSITY BONDS HEARTS



RUDN IN THE STATE KREMLIN PALACE





RUDN IN THE STATE KREMLIN PALACE





PROFESSIONALISM
LEADERSHIP

KNOWLEDGE
OPPORTUNITIES

CREATIVITY
RESPONSIBILITY