First Forum

of the BRICS Network University

Saint Petersburg State University, Russia

ITGroup Energy

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Saint-Petersburg State University
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Saint Petersburg location in the world

- Population over 5 million people;
- Located on the shores of the Gulf of Finland;
- An extremely advantageous geopolitical location;
- Developed and diversified economy;
- Efficient transportation network;
- Nice, hospitable residents.

According to the TripAdvisor website, St. Petersburg is
- #9 most attractive tourist destination in Europe
- #17 most attractive tourist destination in the world

St. Petersburg – museum under the open sky

Historic Center of Saint Petersburg as well as separate architectural ensembles and monuments are included in the list of UNESCO World Heritage Sites.

CULTURAL CAPITAL

221 museums, including the world-famous state Hermitage museum
80 theaters
100 concert halls
45 galleries, festivals and city holidays

THE NORTHERN VENICE

500 bridges, 21 of which are drawbridges

42 islands more than 90 rivers and canals

The most romantic time is the period of white nights in May, June and July

Saint-Petersburg State University: figures and facts

30000 students

6000 academic staff

576 undergraduate and graduate programs

205 master programs and areas of specialization

Students from 65 countries

2000 international students on degree programs

Diploma both in Russian and English

Educational program “Nuclear physics and technology”

Saint-Petersburg State University proposes for realization within the NU BRICS the following educational program in the field of “Energy”. The educational program “Nuclear physics and technology”, which is based on the programs of the two profiles for master and PhD students. This program is supported by the technological base of Petersburg Nuclear Physics Institute of National Research Center “Kurchatov Institute”.

“Neutron and synchrotron physics”

- The educational program “Nuclear physics” (since 1955) has an expertise and the developed courses in the field of **nuclear reaction, nuclear spectroscopy, particle physics**. The program can be realized
- The educational program “Neutron and synchrotron physics”, (opened in 2012) is focused on the **diagnosis of the materials by neutron and synchrotron methods**. The program deals as well with the development of **sources of the neutrons and synchrotron radiation**.

-the silver of Peterhof fountains

Petersburg Nuclear Physics Institute NRC “Kurchatov Institute”

The program includes (from one-week to one month) practical courses and trainings at the research reactors of the Petersburg Nuclear Physics Institute (PNPI NRC “Kurchatov Institute”) and Joint Institute of Nuclear Research (JINR, Dubna).

-**Kronstadt – the naval pride of Russia**

The feature of the educational program

Existing network of the neutron and synchrotron sources

The feature of this educational program is its essentially international character since at present neutron and synchrotron research centers (having high-flux or high brilliant sources) have developed a new type of the social scientific infrastructure – the so-called USER SYSTEM based on the peer-reviewed proposal system from the scientists all over the world for performing experiments at these centers.
Although this system is open for all scientists and students from any country, to prepare the proposal and to perform the experiment in these CENTERS of EXELENCE requires from them a certain level of the qualification – basic knowledge in the physical processes and in the safety aspects of the use of neutron and synchrotron radiation.

Pushkin – the most picturesque suburb of St. Petersburg



The educational program “Neutron and synchrotron physics” provides the necessary qualification for master and PhD students in the field. This program must be established on the international level among BRICS countries to introduce the culture of the user system on the research sources of thermal neutrons and synchrotron radiation.

We are ready to provide a sufficient number of courses in English to fulfill the tasks of the exchange program within the NU BRICS in the field of the “Neutron and Synchrotron Physics” and “Nuclear Physics”.

Mobility of the students and stuff

for one week – one month and 3-4

months program can be realized

since September 2016.

Thank you for your kind attention!