



**NNSTU - THE BEST TRADITIONS OF RUSSIAN  
AND SOVIET ENGINEERING SCHOOL**

**We invite you for higher education program  
«PETROLEUM ENGINEERING» in English**

**[www.nntu.ru](http://www.nntu.ru)**

## NNSTU – History and achievements

**Nizhny Novgorod State Technical University n.a. R.E. Alekseev (NNSTU) is one of the oldest and biggest universities of the Russian Federation. Nowadays students from different parts of Russia and from all over the world choose NNSTU because they are sure in the quality, relevance and solemnity of the knowledge they are given here. NNSTU strategy is to create new educational formats, coupling of NNSTU's education quality criteria with employer quality requirements. The main activity of NNSTU is preparation of well qualified specialists for science and industry.**

**NNSTU was founded on the basis of the Warsaw Polytechnic Institute after Emperor Nicholas II on 1898, and in 1917 NNSTU was moved to Nizhny Novgorod. For all the time of its existence the NNSTU has trained more than 240 thousand of engineers, scientific workers, teachers. The share of NNSTU accounts for more than 70% of University students in the region for priority sectors of the economy.**









# NNSTU today – the higher education program «PETROLEUM ENGINEERING»

- the educational program was opened in 2012 to meet the demand in oil and gas industry
- NNSTU has a perpetual license and state accreditation for training in Petroleum engineering
- A course of study for a Bachelor degree lasts 4 years
- A course of study for a Master degree lasts 2 years





## **NNSTU today – the higher education program «PETROLEUM ENGINEERING»**

**Training in special disciplines is carried out by the following  
departments of NNSTU:**

- **Design and operation of oil and gas pipelines and oil and gas storage facilities.**
  - **Fluid dynamics, strength of machines and resistance of materials.**
  - **Power plants and heat engines.**

**Training is carried out by an experienced and highly qualified staff of 40 teachers.**

**All teachers have got a scientific degree and conduct research on the profile of the disciplines taught.**

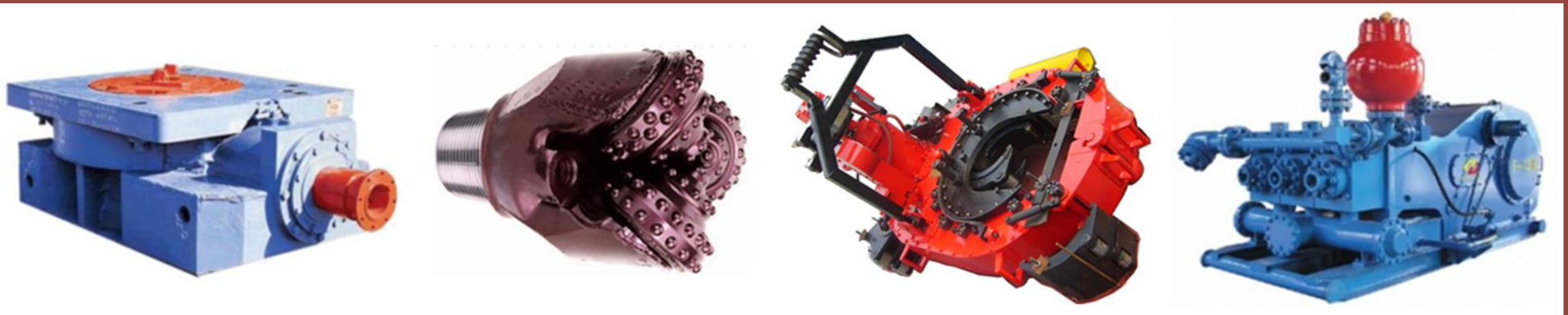


## NNSTU today – the higher education program «PETROLEUM ENGINEERING»

### Key disciplines of the program «PETROLEUM ENGINEERING»

#### Machinery and equipment for oil and gas recovery and transportation:

- **Fundamentals of petroleum engineering.**
  - **Geology, geodesy and oil and gas exploration.**
  - **Oil and gas recovery technology.**
    - **Offshore oil and gas recovery.**
    - **Tankers for oil, gas and refined products transportation.**
    - **Equipment of oil and gas production.**
      - **Oil and gas well drilling .**
        - **Gas and oil pipelines.**







## **NNSTU today – the higher education program «PETROLEUM ENGINEERING»**

**NNSTU provides development training for the personnel of the  
leading enterprises in the region and Russian Federation:**



- **LAZURIT Central Design Bureau, JSC**
- **TransNeft Upper Volga, JSC**



- **GiprogazCenter, JSC**
- **Gazprom Transgaz Nizhny Novgorod, LLC**



- **Afrikantov OKB Mechanical Engineering, JSC**
- **Nizhny Novgorod Machine-building Plant, JSC**





## NNSTU today – the higher education program «PETROLEUM ENGINEERING»

NNSTU has a modern student campus, which includes 6 dormitories for more than 2000 seats, modern infrastructure for food, medical and consumer services.



NNSTU implements a social program to provide service housing for promising young scientists and teachers, which is part of the policy of the University to rejuvenate the staff.





## NNSTU today – the higher education program «PETROLEUM ENGINEERING»

Students of NNSTU have always been distinguished not only by good professional training, but also by the ability to relax and have fun, passion for music and theater, high results in sports.

The basic principles of student associations in the NNSTU are promotion of the ideas for spiritual development and healthy lifestyle.

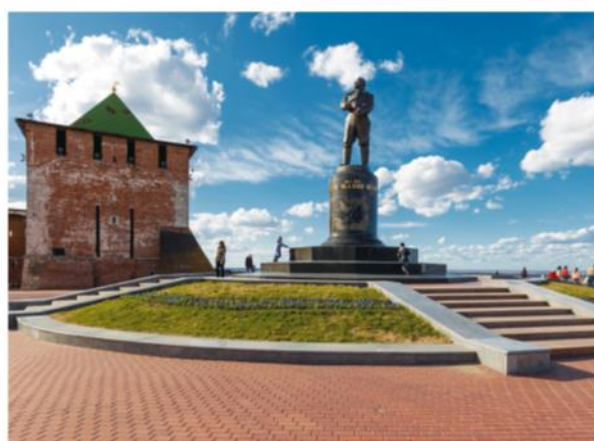




**Nizhny Novgorod was founded in 1221 by Prince Yury Vsevolodovich. Soon Nizhny became an important outpost in the struggle against the Kami Bulgarians. To defend the place the Kremlin was erected at the beginning of the 16th century. Now it is one of the oldest cities in Russia and the 5-th largest in population (about 1.3 million people). It is situated 400 kilometers east of Moscow at the junction of the rivers Volga and Oka.**

**During Soviet times Nizhny was renamed Gorky for one of the Soviet famous writers Maxim Gorky, who was born here. The world-known physicist Andrei Sakharov was in exile here in the 80-ies. Then it was the centre of the munitions industry. The city was reopened for foreign visitors in 1991.**

**Now once again named Nizhny Novgorod, the city has become the capital of Privolzhsky region and a centre of democratic market reforms. The former military production is converted to peaceful needs. Vehicle manufacturing is the biggest industry of the city, then come shipbuilding and machine-building plants and many others.**





**Nizhny is one of the biggest cultural centers of Russia. There are dozens of theatres, concert halls including The Opera and Ballet House, the Drama Theatre, the Puppet Theatre and the Theatre for the Young Audience, the Comedy Theatre, the Art galleries of Nizhny.**

**The city is rich in historic sights: the Kremlin, the old Pokrovka Street, various monuments to the famous citizens. But the most beautiful is a view over The Volga river from the Upper Volga Embankment. It is the loveliest view one has ever seen! And here is Nizhny Novgorod State Technical University named after Rostislav Alekseev.**

**Nizhny is the city of students – there are about 15 academies and institutes along with universities and a number of colleges. Schoolchildren study at 170 secondary schools here.**

**No wonder, tourists are eager to see sights of this ancient city. Recognizing its particular uniqueness, UNESCO designated Nizhny as one of the most significant cities, culturally and historically, in the world.**

