Kazan Federal University

INSTITUTE of Geology and Petroleum Technologies

CENTER FOR ADVANCED TRAINING, QUALITY MANAGEMENT AND MARKETING

cdoGEO.ru

KAZAN FEDERAL UNIVERSITY

Kazan Federal University - one of the oldest universities in Russia, throughout its history is inextricably linked with science. In the University of Kazan appeared many of the world-famous scientific schools. KFU history is connected with prominent names such as Lobachevsky, Zavoisky, Tolstoy, Simonov, Zinin, Butlerov, Bekhterev, Golovkinsky, Lenin, Chebotarev and many others.

Institute of Geology and Petroleum Technologies (IGPT) is one of the KFU growth points. We are pleased to invite you and your staff on training courses organized by the Center for Continuing Education, Quality Management and Marketing of IGPT. Our center combines modern technology and 200-year traditions of classical university. This is a unique opportunity to gain the modern education in the field of geology, geodesy, geophysics and petroleum metrology.

We have organized many world-scale events like International Summer School of Sedimentary Geology, Kazan Golovkinsky Stratigraphic Meeting, XVIII International congress on the Carboniferous and Permian, Thermal EOR conference and others. We run courses for specialists from Iraq, Cuba, Kazakhstan and others.

Our Institute has the best laboratory equipment from the X-Ray tomography and Neptune plus isotope analysis lab to the special multifunctional center for geological and hydrodynamic modelling «3D GEO Center».

Danis NURGALIYEV

Vice Rector for Research,

Director of the Institute of Geology and Petroleum Technologies,

Professor, Doctor of Science in Geology and Mineralogy

Our graduates hold senior positions in major respectable geological organizations and are recognized by their outstanding professional and personal qualities.

CENTER FOR ADVANCED TRAINING, QUALITY MANAGEMENT AND MARKETING

Center has considerable experience in organization of training and retraining programs. Center is among top KFU divisions.

TEACHERS are top experts the best academicians of Kazan Federal University and other leading Russian and international universities.

OUR GRADUATES AND COMPANIES become successful are and well-known specialists and managers. All programs are developed in compliance with the demands of our clients and companies.

CLASSROOMS are of world TOP research standards.

EDUCATIONAL PROCESS is provided with a complete set of educational materials.

Our programs are taught in different educational forms: classroom leaning, distance learning or its combinations.

Upon completion of training, standard Kazan Federal University documents (diploma, certificate) are issued.

The leading Russian and foreign companies «Tatneft», «TNG-Group», «Rosneft», «Gazprom», «Packer», Sercel, Shlumberger, Trimble take part in our projects.

Ildus CHUKMAROV

Director of the Center for Advanced Training, Quality Management and Marketing

Kazan School of Geology combines innovative technologies and 200-year traditions of classical university.

Meanwhile, we combine the expertise of KFU, our domestic and foreign partners to meet the educational needs of our customers. We are open for communication, we anticipate ambitious goals ahead of us - we are ready to perform qualitative work!

STATIC GEOLOGICAL MODELLING (STC-SGM)

This program is for specialists from geological departments working with geological modelling.

The program covers topics:

- ***Well log and seismic data integration***

The analysis of the initial data to be used for modelling. Description of the well logs and its interpretation, including possible misinterpretations.
Seismic data analysis and its including in the model.
Integration of all available data in the project.

- ***Geostatistics***

Basic concepts of geostatistics and its application to geological modelling.

- ***Static modelling in software***

Practical model building using software. The complete model from the data loading to the reserves calculation.

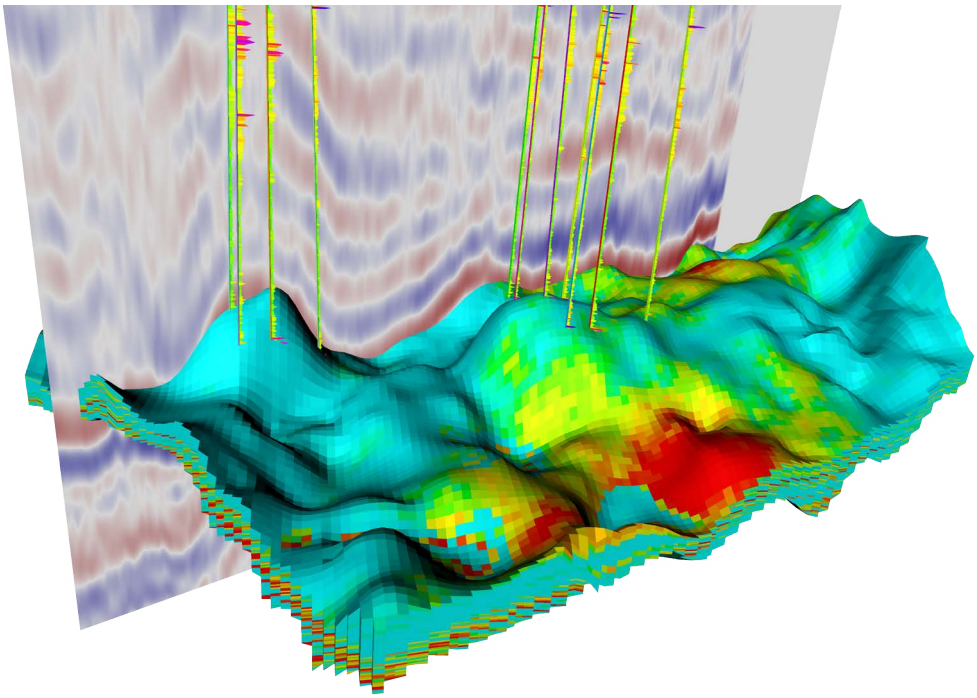
- **Static modelling**

Practical model building. The complete model construction from the data downloading, grid creation, facies model, porosity and saturation calculation to the reserves calculation.

- Special petrophysics, geochemistry and tomography labs equipment for the model construction.

Duration: 5 days
Language: English or Russian
Price: 2300 USD

For all the courses the price includes: accommodation in hotel in the center of the city, breakfast, lunch and coffee breaks during the course, cultural program in the city (ancient Kazan Kremlin, Historical museum of Kazan University, Geological museum).



RESERVOIR SIMULATION (STC-RS)

This course is for dynamic simulation specialists and geologists working with dynamic models.

The program covers topics:

- ***Fluid and rock properties***

Relative permeability, PVT properties, phase diagram, total porosity and absolute permeability.

- ***Static modeling***

Construction of static geological model. Conceptual model as a basis for the project.
Choosing a grid.
Facies modelling and its influence to the reservoir simulation.
Model updating.

- ***Flow simulation***

General flow equations, flow simulation principles.

- ***Practice in reservoir simulation***

Simulation case preparation, DATA file observation, first run.

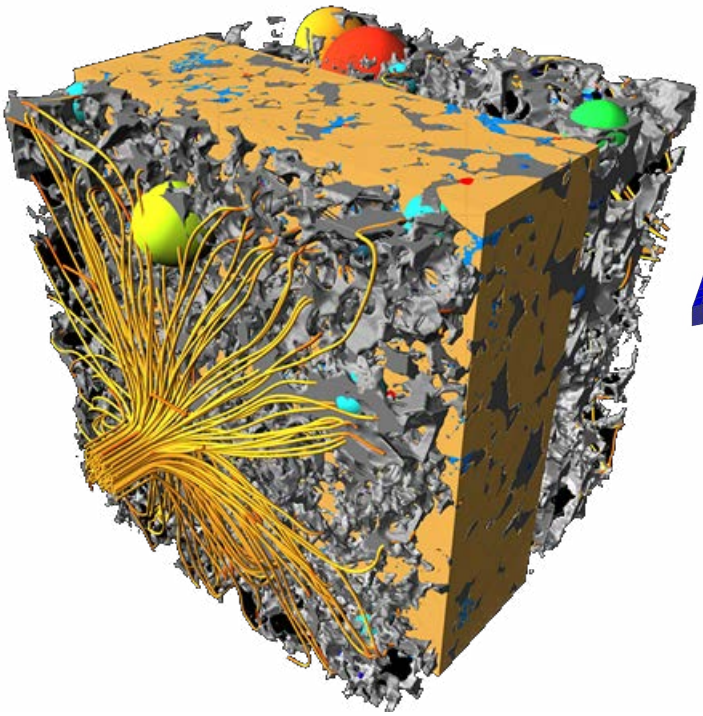
- ***History matching***

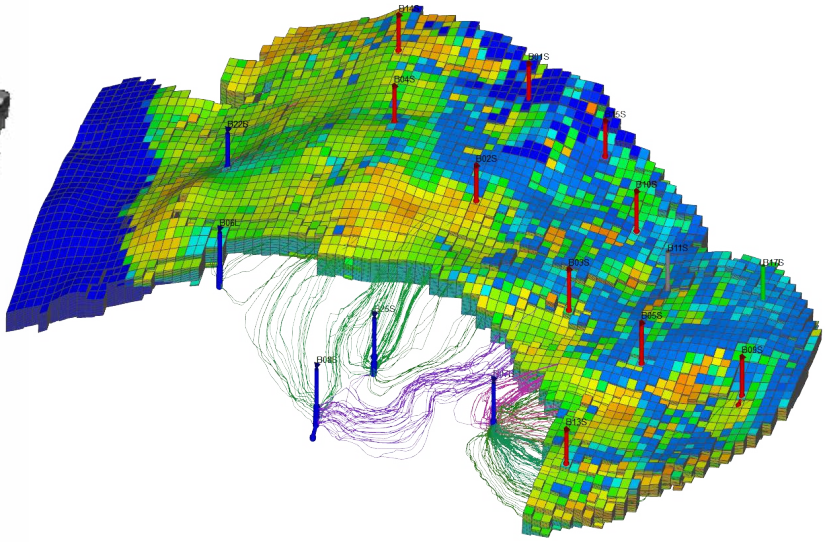
Sensitivity runs, property modification, multiple model realizations.

- ***Forecast model generation***

Special petrophysics, geochemistry and tomography labs equipment for the model construction.

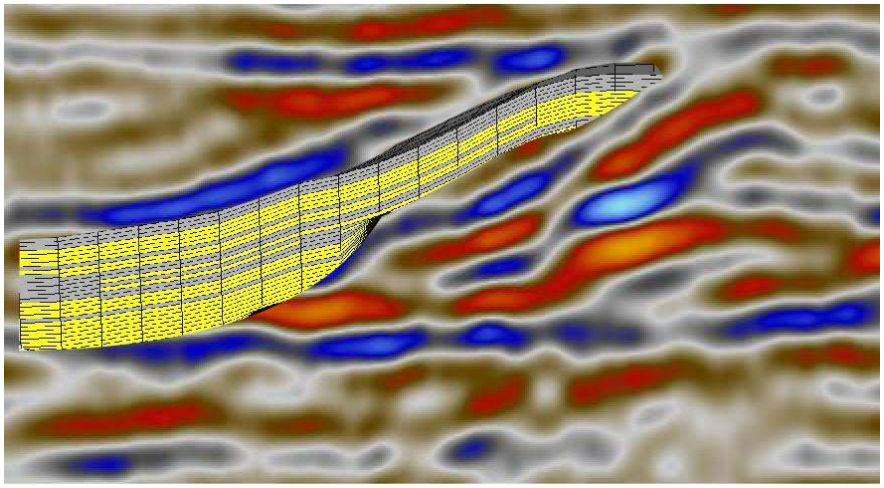
Duration: 5 days
Language: English or Russian
Price: 2300 USD





SEISMIC INTERPRETATION (STC-SI)

This course is for geologists and geophysicists who work with seismic data and its interpretation.
The program covers topics:



- ***Static seismic interpretation***

Seismic to well tie
Horizon picking
Velocity modelling
Structural map calculation.

- ***Seismic stratigraphy***

Sequence stratigraphy
Seismic facies analysis

- ***AVO analysis***

AVO classes and its calculation

- ***Seismic attributes***

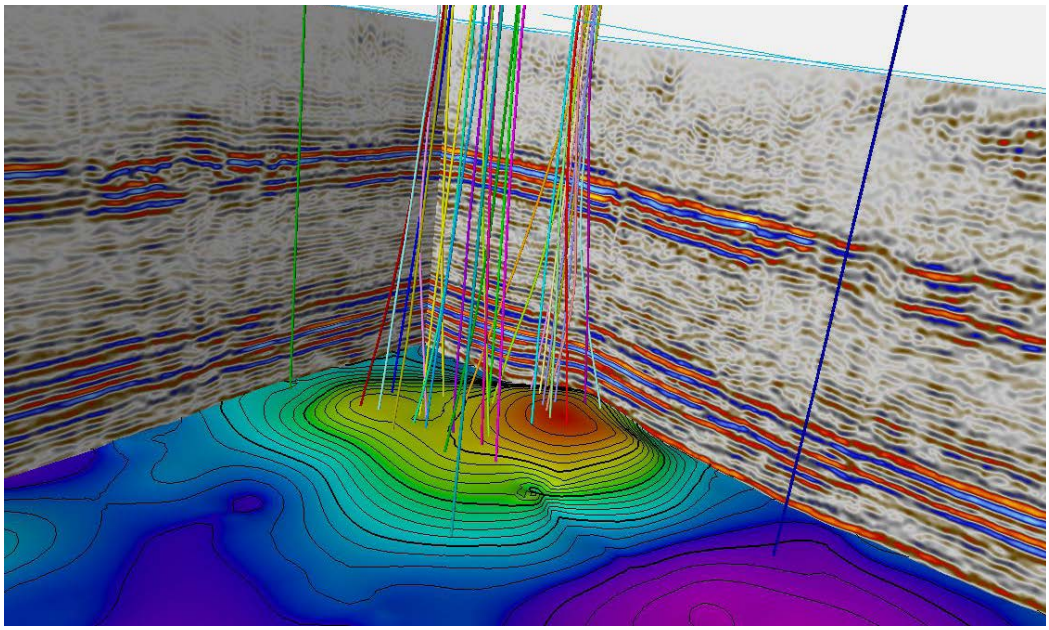
Seismic petrophysics
Attribute analysis
Frequency-amplitude and time-amplitude domains
Examples of attribute analysis for geological interpretation

- ***Practice of seismic interpretation***

Practical seismic data interpretation. The complete interpretation plot from the data downloading, seismic to well tie, horizon picking, velocity modelling, map construction and attribute analysis.

- **Special petrophysics and tomography labs equipment for the model construction.**

Duration: 5 days
Language: English or Russian
Price: 2300 USD



WELL OPERATIONS AND MODELLING (STC-WO&M)

This course is for specialists working with well operation and production.

The program covers topics:

- Equipment and technology of Oktyabrsky Paker (Science and production firm)
- Measures to minimize complications. Examples of packers usage in the well reparation, reservoir pressure maintaining, wellhead production.
- Geomechanical modelling
- Static and dynamic modelling
- Enhanced oil recovery

Duration: 5 days
Language: English or Russian
price: 2300 USD

RUSSIAN LANGUAGE FOR INTERNATIONAL SPECIALISTS IN OIL AND GAS INDUSTRY (LTC-RL-BASE)

This course is for specialists from companies, planning to work inRussia or with Russian customers. 12 month of intensive Russian language in Kazan federal university.

This will be a very intense studying of Russian language in one of the oldest Russian linguistics centers. Our teachers work with international students with different backgrounds. You can start learning based on any native language.

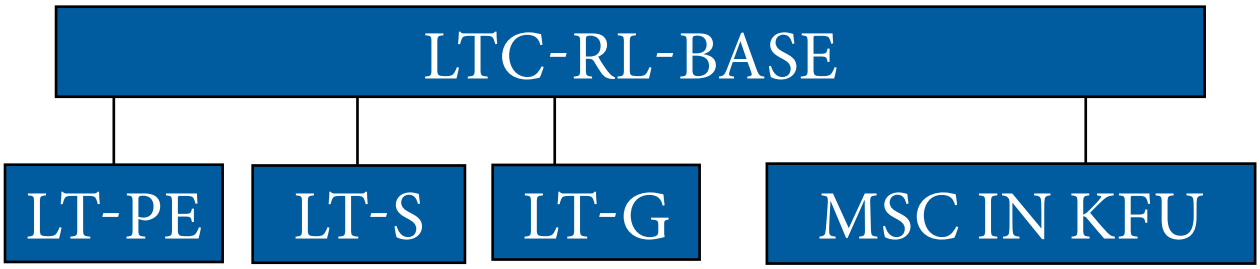
The program will give basic speaking, reading, writing and listening skills.

The best way to know Russian is to live in Russia, at least for 1 year.

The minimum educational requirements – Bachelor degree.

Price: 2850 USD/year
Approximate hotel price: 50 - 500 USD/mounth
Approximate living expenses: 400 USD/mounth

- After graduation You can continue studying in our retraining programs to understand the Russian approaches in Oil and Gas business, Geophysics and Surveying or in Masters programs of Kazan federal university.



OUR CUSTOMERS AND PARTNERS

PETROLEUM ENGINEERING (LT-PE)

This course is for specialists, who want to learn Russian approaches in Oil and Gas business.

Course contain lectures and practice in development of oil and gas fields, enhanced oil recovery, drilling, physical properties of the formations, static geological modelling and dynamic fluid simulation.

The course is **12 month** long. The most part of the course is distance internet courses, allowing to study at home.

The practical work in the labs is concentrated in 2 weeks of studying in Kazan federal university.

During the practical part there will be the static geological modeling and dynamic simulation.

Language: Russian

Price: 3500 USD/year

SURVEYING
(LT-S)

This course is for specialists, who want to learn Russian approaches in Surveying.

Course contain lectures and practice in theory of geodetic measurements processing, metrology, standardization, certification and global satellite survey methods (GPS and GLONASS).

The course is **12 month** long. The most part of the course is distance internet courses, allowing to study at home. The practical work in the labs is concentrated in 1 month of studying in Kazan federal university.

During the practical part there will be the work with Trimble equipment and the survey data processing.

Language: Russian

Price: 3500 USD/year

GEOPHYSICS
(LT-G)

This course is for specialists, who want to learn Russian approaches in Geophysis.

Course contain lectures and practice in geology, hydrogeology, lithology, mineralogy, well logging, gravity, magnetic, electrical surveying, regional geology, geochemistry of oil and gas. In addition there are some advanced courses in the special topics of the course sub division.

There are 3 sub division of the course:

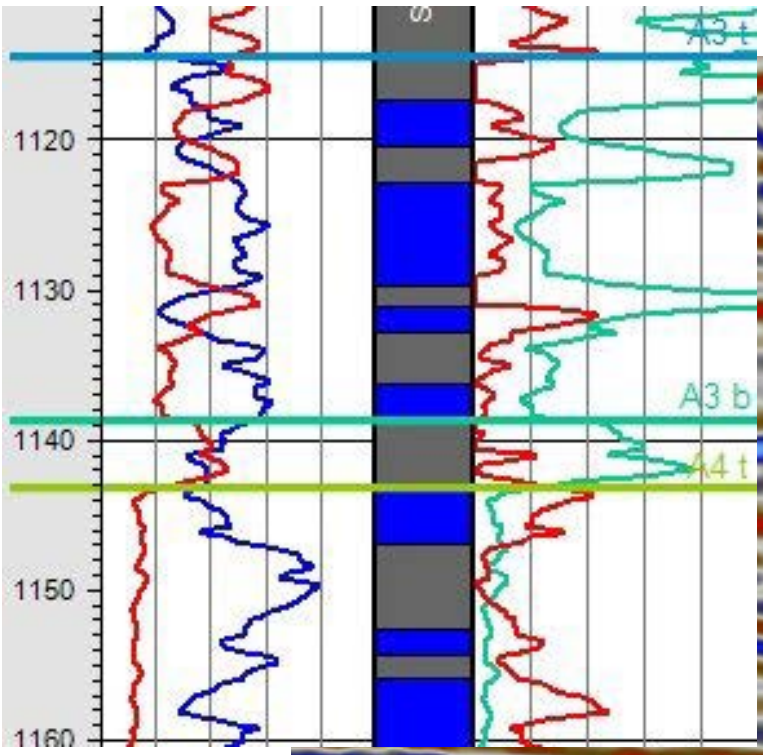
- **Seismic**
- **Well logging**
- **Geosteering**

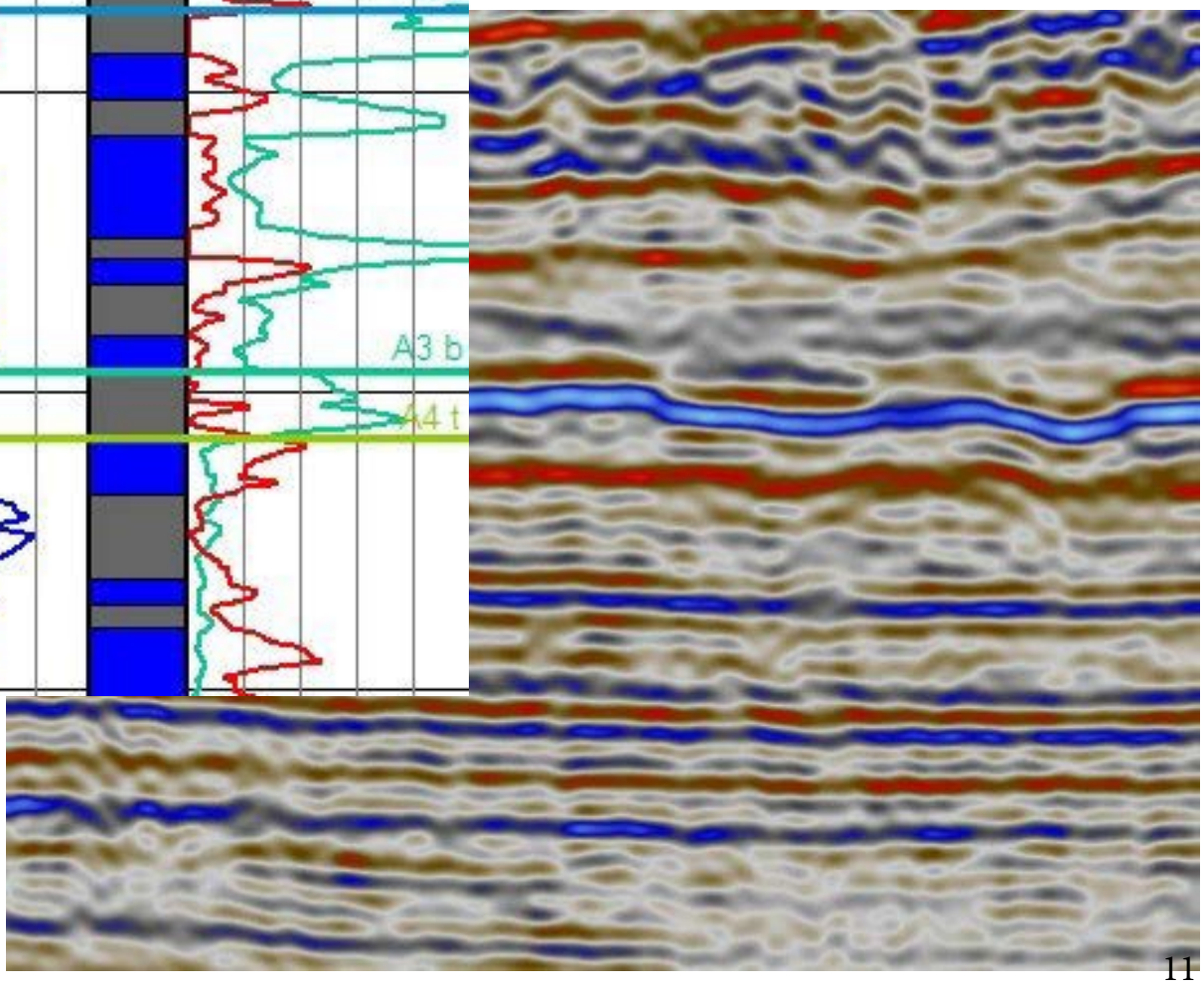
During the practical part there will be the well logging interpretation, seismic processing and interpretation and static geological modeling.

The course is 12 month long. The most part of the course is e-learning courses. The practical work in the labs is concentrated in 1 month of studying in Kazan federal university.

Language: Russian

Price: 3500 USD/year





CONTACT US

CENTER FOR ADVANCED TRAINING, QUALITY MANAGEMENT AND MARKETING

director: CHUKMAROV ILDUS

phone: 007(843) 233-79-70
007(843) 233-79-72

addres: 4/5 Kremlyovskaya str., Kazan, Republic of Tatarstan, Russia 420111

post addres: 18 Kremlyovskaya str., Kazan, Republic of Tatarstan, Russia 420008

e-mail: chukmarov@kpfu.ru
cdogeo@kpfu.ru

www.cdoGeo.ru

www.kpfu.ru/geo/catqmm