

Russian Federation

Federal Fishery Agency

Federal State Government-financed Educational Institution of Higher  
Professional Education

**KALININGRAD STATE TECHNICAL UNIVERSITY**

(FSGEI HPE "KSTU")

# RUSSIAN FEDERATION KALININGRAD REGION



Until 1946 Kaliningrad was named Königsberg and belonged to Germany.

Königsberg was founded in 1255 by the crusaders of the Teutonic Order. During 1525-1618 it served as the residence of the Dukes of Prussia, and in 1701 it became a part of the Kingdom of Prussia.

After World War II according to the Potsdam Conference resolution it became a Russian city.

# HISTORICAL HERITAGE of KALININGRAD REGION





# MODERN CULTURE





# KALININGRAD REGION – THE LAND of AMBER





# KALININGRAD – THE PORT CITY





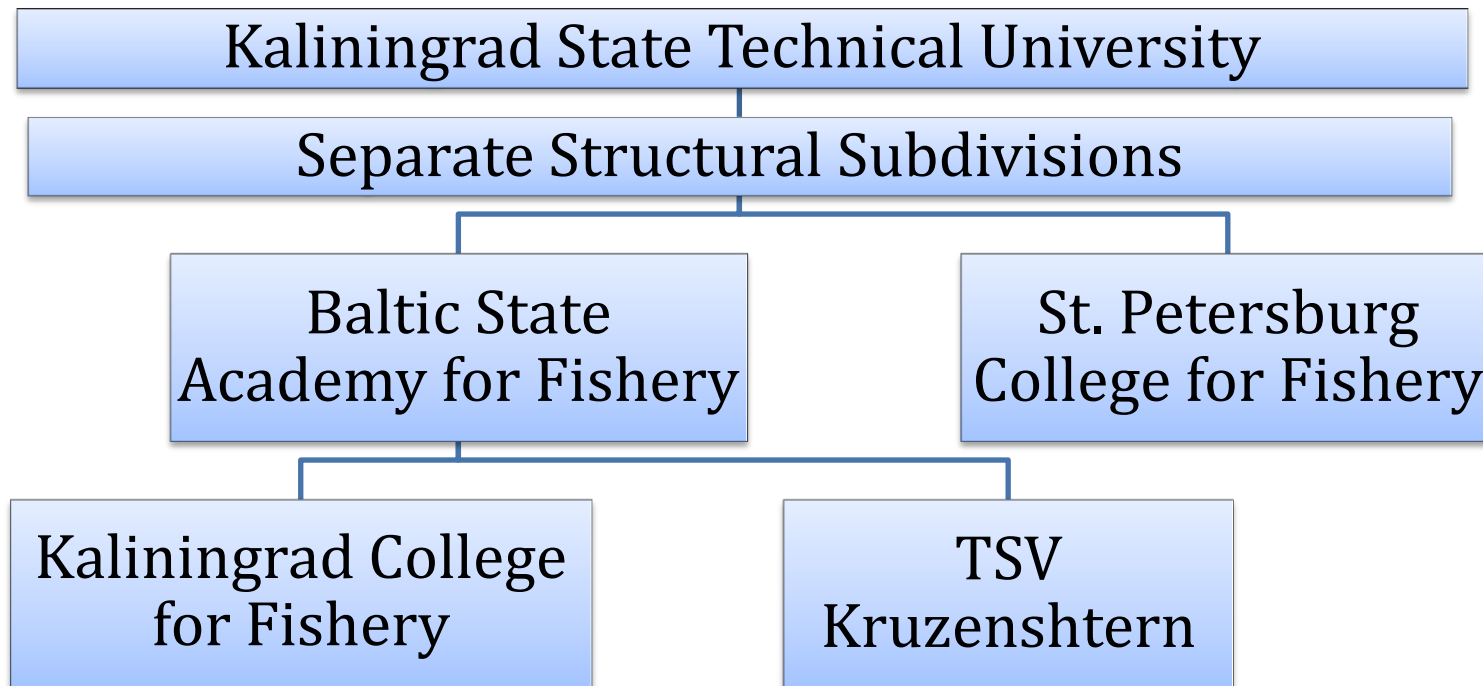
# FIFA WORLD CUP 2018



Kaliningrad is one of 11 Russian cities where the 2018 World Cup matches will take place.



# STRUCTURE of the UNIVERSITY



## HISTORY of the UNIVERSITY

Kaliningrad State Technical University was founded in 1930 in Moscow as the Institute of Fishing Industry and Economy. In 1958 there was made a decision to relocate the Institute of Fisheries from Moscow to Kaliningrad. The Institute received a new name - Kaliningrad Technical Institute of Fishing Industry and Economy. In 1994 Institute was transformed into Kaliningrad State Technical University. On January 25, 2012 Baltic State Academy for Fishery and St. Petersburg College for Fishery affiliated to KSTU as separate structural subdivisions.



# BALTIC STATE ACADEMY



Baltic State Academy for Fishery is one of the biggest educational institutions of Russia fish industry.

Students of the Academy are taught in 15 specialties, 4 bachelor and 1 master degrees. Training is held at five faculties as well as at the Institute of Applied Economics and Management.

## Faculties:

- Navigation
- Marine Engineering
- Radio Engineering
- Transport
- Part-time Education



# KALININGRAD STATE TECHNICAL UNIVERSITY

**KSTU is the biggest educational facility for fishery in Russian Federation.**



4 Buildings  
7 Faculties  
44 Departments

42 Specialties  
6500 Students  
567 Professor

64 Dr. Sc. (Hab.)  
64 Academicians  
288 Dr. Ph.



# KALININGRAD STATE TECHNICAL UNIVERSITY

Bachelor degree	Specialists	Master Degree
Ecology and environment management Economics Management Trading Agrochemistry and agrology Agriculture Zootechnics Water Resources and Aquaculture Trade Fishery Heat Power Engineering and Combustion Engineering Electrical Power Engineering and Electrical Engineering Machine Engineering Technological Machine and Equipment Ship Building Ocean Engineering Marine Infrastructure System Engineering Technological Processes Automatization Informatics and Computer Science Computer Applications Biotechnology Food of Animal Origin Food Technology Civil Building Heat and Gas Supply and Ventilation Environmental Engineering and Water Resources Management Technosphere Safety	Ship Power Plant Usage  Electro Equipment and Automatic Usage	Management  Water Bioresources and Aquaculture  Trade Fishery  Food of Animal Origin

# UNIVERSITY LIBRARY

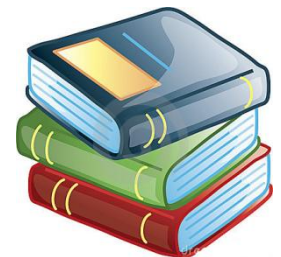
Collection: 530,000 references

Rooms:

- 1,500 m<sup>2</sup>
- 3 reading halls
- media-hall

Services:

- Electronic library system
- Access to books, journals,
- Access to the Internet
- Assistance in search for information



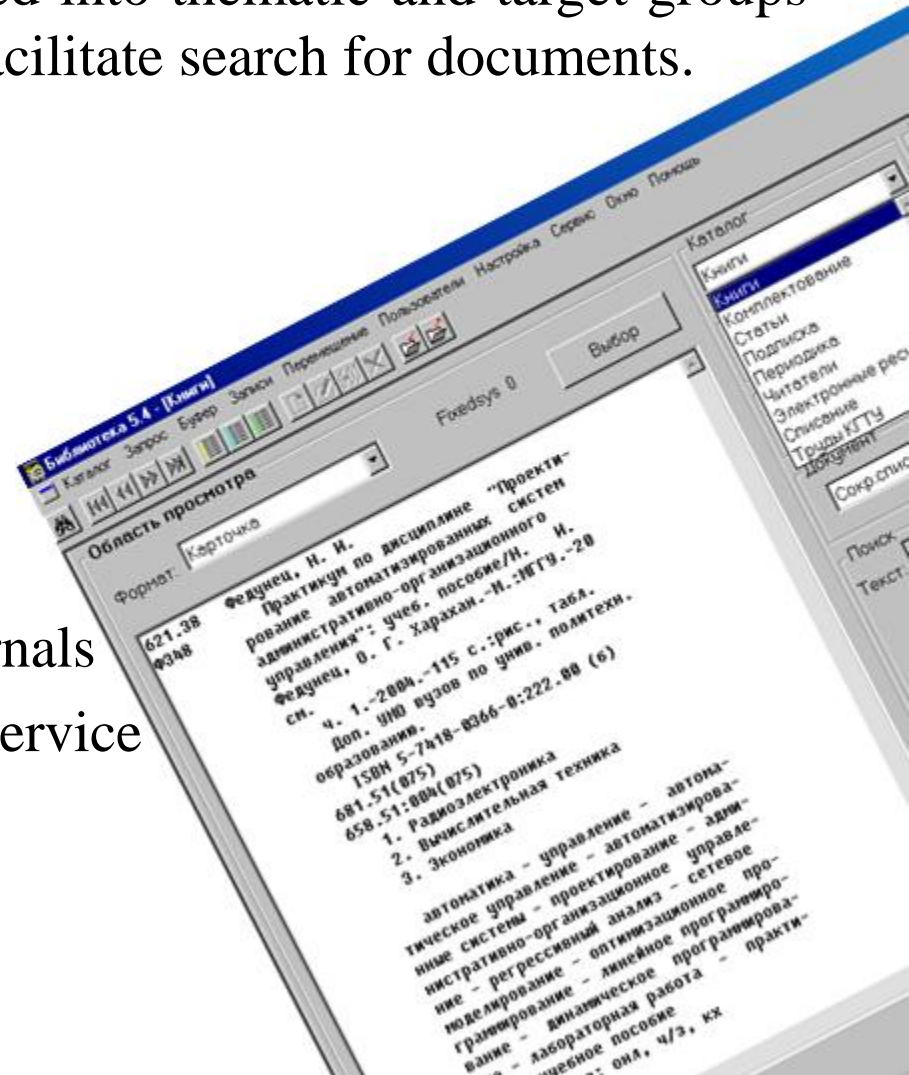


# E-LIBRARY SYSTEM

E-library system is a combination of electronic documents used in the educational process that are incorporated into thematic and target groups provided with additional services that facilitate search for documents.

Internal e-library consists of:

- Electronic library catalog
- Electronic resources:
  - Electronic libraries
  - Access to full-text databases
  - Full-text databases (subscription)
  - Electronic full-text open access journals
  - Journals archives on Google Book service



# NAVAL AND POWER ENGINEERING FACULTY

## Departments:

- Shipbuilding
- Structural Mechanics of Ships and Strength of Materials
- Shipboard Power Plants and Thermal Power
- Electrical Equipment of Ships and Electrical Power Engineering
- Heat and Gas Supply and Ventilation
- Civil and Industrial Building



## **Department of Heat and Gas Supply and Ventilation**

Head of the Department Anatoly Gerasimov,

Professor, Dr. Sc.

E-mail: [aager\\_kstu@mail.ru](mailto:aager_kstu@mail.ru)

## **Research and Development:**

- Thermophysical properties, phase equilibrium и fundamental equation of carbon and multi components hydrocarbon compositions status.
- Energy saving in heating systems, ventilation and air conditioning.



# THE DEPARTMENT of ELECTRICAL EQUIPMENT of SHIPS AND ELECTRICAL POWER ENGINEERING



**Head of the Department Valeriy Beley,**

**Professor, Dr. Sc.**

**Full member of Russian Power Engineering Academy**

**E-mail: [vbeley@klgtu.ru](mailto:vbeley@klgtu.ru)**

**Coordinator of the TEMPUS Project:**

**530603 - TEMPUS-1-2012-1-LT-TEMPUS-JPCR**

**«Reformation of the Curricula on Built Environment in the Eastern Neighboring Area»**

## **Laboratory facilities:**

- General Electrotechnics
- Electrical Grids and Systems
- Automatic Electric Drive
- Electrical Annex of Power Stations and Substations
- Electric Equipment Repair and Maintenance.
- Electric Power Machines
- Relay Protection and Automatics
- Isolation and Overvoltage
- Computer Classroom



## Research and Development at the University

Postgraduate students Department in licensed by 32 scientific specialties.

1. Physical and mathematical sciences

2. Biological    3. Technical    4. Agricultural sciences

5. Economic




6. Philological

7. Pedagogical

There are 157 post-graduate students at the Uni.

36 professors and 39 senior lecturers carry out preparation of scientific and pedagogical thematic.

There is a Dissertational council D 307.007.01 at the Kaliningrad state technical university

-  Ichthyology - for biological sciences;
-  Technologies of meat, dairy, fish products and refrigerating manufactures - for engineering science;
-  Industrial fishery - for engineering science.

KSTU News is the scientific magazine of the Kaliningrad State Technical University



# 30 basic scientific schools function at the KSTU

## 30 basic scientific schools function at the KSTU

- Management of bioresources. Trade ichthyology - Prof. Shibaev S.V.;
- Methods of fishery means designing perfection - Prof. Rozenshtejn M.M.
- Thermal-physical properties and phase balance of technically important substances and their mixes - Prof. Gerasimov A.A.
- Energy and recourse saving technological process development in the fishery industry - Prof. Fatyhov J.A.
- Technology of flue-curing. Biologically active substances and functional foodstuff production from biological raw materials - Prof. Mezenova O.J.
- Optimum control of large infrastructural objects functioning processes on a basis of tecnothenogical analysis and synthesis methods - Prof. Gnatyuk V. I.
- Wind power installations functioning bases as a part of electrotechnical systems - Prof. Beley V. F.



# Reformation of the Curricula on Built Environment in the Eastern Neighboring Area

## THE WORKING GROUP

### Valeriy Beley

The Head of Electrical Equipment of Ships and Electrical Power Engineering Department, Professor, Doctor of Science, Member of Russia Electrical Sciences Academy of Russia, Specialist in Electrical Engineering, has large experience of scientific, research and educational work (including work in EU countries) in the area of: Power quality and reactive power compensation; Renewable energy sources; Electrical part of power stations and substations; Energysaving technologies; Big electrical energy systems.



### Victor Gnatyuk

Professor, Doctor of Science Specialist in Electrical power consumption and energysaving, has large experience of scientific, research and educational work in the area of optimal control of electrical power consumption and energy saving.



### Alexander Shaposhnikov

Student of PhD courses of Ships Electrical Equipment and Electrical Power Engineering Department of KSTU, Master of Electrical Power Station speciality and Specialist of Financial Management Specialist in Electrical Engineering, Computer Information technologies, has experience of scientific, research and practical work in the area of: Electrical part of power stations and substations; Energysaving technologies;



### Victor Ovchinnikov

Assistant Professor, Doctor-Ing. Specialist in electrical automation systems, electrical power system automatic protection systems, has experience of scientific, research and educational work in the area of: Electrical automation systems, electrical power system automatic protection systems, Virtual Network Education and Information Systems



### Anatoliy Gerasimov

The Head of Heat and Gas Supply, Ventilation Department, Professor, Doctor of Science. The expert in the area of heat and physical properties of hydrocarbons and modern air-conditioning of microclimate systems. The area of scientific interests is connected with working out of the equations of condition of hydrocarbons and hydrocarbonic systems and with optimization of systems and processes of air conditioning of a microclimate.



### Andrey Nikishin

Assistant Professor, Doctor-Ing.

Specialist in Electrical power systems and grids, has experience of scientific, research and educational work (including work in EU countries) in the area of: Distribution of electrical energy; Wind energy in power systems.



### Anatoliy Zagorodniy

International cooperation

The Head of International Department of KSTU, Assistant Professor, Doctor-Ing.

Is responsible for coordination of multiple international projects, programs and conferences developed and/or arranged by our University or through its assistance.



### Nikolay Elagin

Dean of Upgrading Faculty, Assistant Professor, Doctor-Ing., Member of the International Academy of automation. Specialist in Technical operation of complex technical systems, has experience of scientific, research and educational work in the area of: Technical operation of complex technical systems, Organization of maintenance and repair of electrical equipment, Determination the technical state of equipment and its diagnosis, Determination of the components and indicators for the maintenance and repair cycles on the basis of statistical and reliability information.





# AIMS and ACTIVITIES of KSTU

1. KSTU is aimed to carry out the WP4 (Monitoring and Reporting of Results) together with VGTU.
2. KSTU is to participate in the upgrading of BSc/ specialists, MSc, PhD degree programs and dissemination process led by other partners as detailed in the work package sections.
3. KSTU participates in CENEAST management, discussions, workshops, and other project activities.
4. KSTU bears especial responsibility in the project sustainability process.
5. KSTU is to play leading role in the development of Virtual Interuniversity Networked Educational System.
6. KSTU is to realize exchange of academic staff to improve the effectiveness of joint educational activities.

The aims of KSTU participation in the project are experience exchange and improving of education quality level with help of educational programs technically proven in the leading HEIs of EU.