



Don State
Technical University

DON STATE TECHNICAL UNIVERSITY

www.donstu.ru

ROSTOV-ON-DON

SOUTHERN BUSINESS AND INDUSTRIAL CAPITAL

РОСТОВ
НА ДОНУ



Official Tourist
Website of Rostov-
on-Don

tourism.rostov-gorod.ru

1 352 000

population

348 км²

area

90 000+

enterprises and companies

TOP-10 AWARDEE

"investment attractive city"

www.rostov-gorod.ru



DON STATE TECHNICAL UNIVERSITY



приоритет2030⁺
лидерами становятся



50 000+
students

22
faculties

5
institutes

3 500+
international students

16
scientific
schools

5
branches



Don Institute SDJTU-DSTU
(China, Shandong province)

5 colleges
Secondary school
Don cadet school
Kindergarten



DSTU IN UNIVERSITY RANKINGS



Times Higher Education
World University Ranking

1001-1200



Times Higher Education:
Physical Sciences

601-800



Times Higher Education
Engineering, Computer Science

801-1000



Ranking of Green
Universities in Russia

1



World University
Rankings

1201-1400



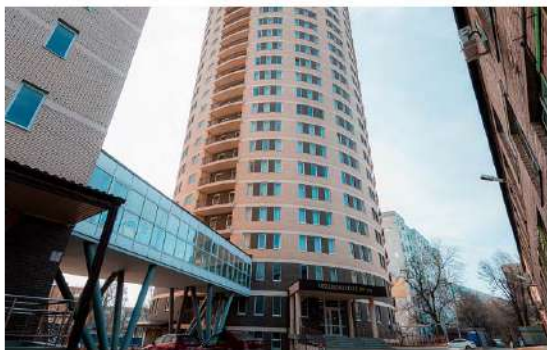
QS: Emerging Europe
and Central Asia

301-350

DSTU CAMPUS



Research and Industrial Centre



New student residence houses



Study laboratories

NEW CAMPUS



BOARD OF TRUSTEES



IVAN SAVVIDI

The president of the board of trustees, Chairman of the Board of Directors of the «Agrocom Group» - the leading agricultural company in Russia

21

Prominent members of administrative and business communities



DIRECTIONS OF SCIENTIFIC RESEARCH



Renewable energy



Industry



Construction



Digital agriculture



Bioengineering



New technologies for medicine

DSTU INSTITUTE OF ADVANCED MECHANICAL ENGINEERING “ROSTSELMASH”

приоритет2030⁺
лидерами становятся

Institute Of Advanced Mechanical Engineering
“Rostselmash”- in the field of agricultural machinery building

2022 - The Ministry of Science and Higher Education federal grant

DSTU and “Rostselmash” — the main producer of agricultural machinery in the South of Russia

4 key scientific research projects



Передовые
инженерные
школы



РОСТСЕЛЬМАШ



SOUTHERN SCIENTIFIC AND EDUCATIONAL CENTRE

приоритет2030⁺
лидерами становятся

MISSION

- to develop the new global sustainable food system based on ESG principles

STRATEGIC GOALS

- unified and balanced economical, social, and spatial development taking into account the interests of both modern and future generation of the South of Russia

MAIN FIELDS

AgroTech

FoodDesign

AquaTrack

ELECTRIC TRANSPORT AND TECHNOLOGICAL MACHINES IN THE AGRO-INDUSTRIAL COMPLEX AND ROAD CONSTRUCTION COMPLEX

UNMANNED AGRICULTURAL MACHINES OF THE 4TH LEVEL OF AUTONOMY

YOUTH LABORATORY «INTELLIGENT ELECTRICAL AGRICULTURAL MACHINES AND COMPLEXES»



PROGRAM COORDINATOR

PARTICIPANTS

3 regions



12 universities



20 Real economy companies



6 Development institutes

SCIENCE AND INNOVATIONS: KEY PARTNERSHIP PROJECTS

Australia

University of Sydney

Belarus

Institute of Heat and Mass Transfer of the National Academy of Sciences of Belarus

Bulgaria

Institute for Biodiversity and Ecosystem Research of the Bulgarian Academy of Sciences

Brazil

University of Sao Paolo

China

School of Computer and Information Technologies

China

School of Mechanical Engineering, Faculty of Mechanics

Malaysia

Research University of Malaysia

Syria

Damascus University

USA

Rutgers University

Taiwan

National University

Biomechanics of tissues of the oral cavity and eyeball and optimized biocompatible materials for implantation

Theoretical and experimental study of wear-resistant coatings with controlled gradient of properties by depth

Biogeographical links between the Caucasus and the Balkans - data from molecular and cybertaxonomic studies of millipedes – RFFR grant

Research projects in the field of veterinary medicine and bioengineering

Re-identification of objects in low-quality video data in multi-camera surveillance systems – RFFR grant

Numerical and analytical study of the contact of functionally gradient elastic and piezoelectric materials under conditions of elastic-hydrodynamic lubrication – RFFR grant

Strategy of molecular aquaculture in the development of new synbiotic preparations to improve the health and quality of fish – RSF grant

Development and implementation of a comprehensive technology for training specialists to work with primary school students who have experienced psychotraumatic experiences

Veterinary probiotic preparations for targeted modulation of animal health"

Research of thermo-mechanical properties of architectural materials – RSF grant

AGRICULTURAL ENGINEERS – ADVANCED TRAINING PROGRAMS

250+

Engineers and technological
entrepreneurs a year



ENGINEERING AND TECHNOLOGICAL INFRASTRUCTURE

- Don Engineering Centre (2019)
- Research and test centre (2024)
- Production centre (2024)

+1500_{sq.m.}

New study laboratories and classes



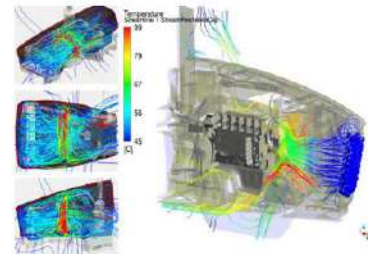
INTELLIGENT PLATFORMS FOR AGRICULTURAL MACHINERY

- Unmanned tractor "DonTech" (2024)
- New agricultural machinery with differentiated technology for harvesting forage crops (2026)



HARDWARE AND SOFTWARE COMPLEXES

- Climate control system of a unified cabin (2023)
- Analysis of grain quality using machine learning algorithms (2024)
- Neural network monitoring of the state of agricultural machinery units (2025)



UNITED HEALTH

NEXT GENERATION BIOENGINEERS AND VETERINARY DOCTORS

Bioengineering and Veterinary
Medicine Faculty (2019)

Veterinary Internship Course
(2024)

200+

Bioengineers and vets a year
(2030)

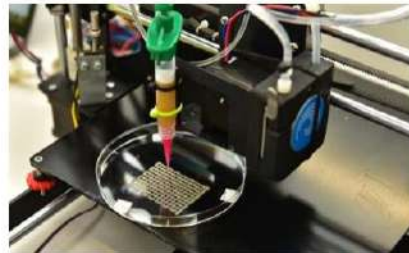


INSTITUTE OF LIVING SYSTEMS

- Confocal Microscopy Laboratory (2022)
- Study vivarium (renovation) (2023)
- Veterinary clinic (2025)

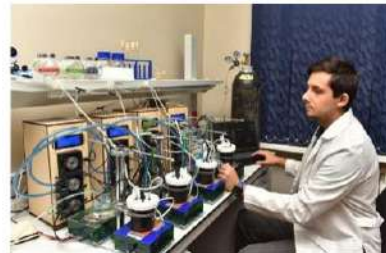
2000+ sq.m.

Facilities for study and research



IT-TECHNOLOGIES AND ENGINEERING

- Software for analysis of medical digital images (including cancerous tumors) on the basic model (2025)
- Artificial Gastrointestinal Tract for Accelerated Diagnostics of Food and Medicines (Software Library) (2026)



BIOENGINEERING

- Testing system for diagnostics of salmonella infection (2024)
- Testing system for the diagnosis of dilated cardiomyopathy in dogs (2025)
- Testing systems for detection of antibiotic resistance genes (2026)



SCIENCE AND RESEARCH: FACTS AND FIGURES

R&D funds

1 bln. rub.

+41% by 2023

+208% by 2020

Industrial partners

+300

Contracts for
634,7 mln. rub

+25% by 2023

+150% by 2020

Russian Science Foundation grants

117 bln. rub.

+88% к 2023

+631% к 2020

26 projects

+52% by 2023

+420% by 2020

Scopus Article & Review

414

+17% by 2023

+79% by 2020

YOUNG SCIENTISTS SUPPORT

40

researchers – winners
of the Rostov Region
Government Award

DEVELOPMENT OF SCIENTIFIC INFRASTRUCTURE

Testing center (new)

>280 bln.rub.
1350 sq.m.



Southern Center for Modernization of Mechanical Engineering (renovation)

>85 bln.rub.
1800 sq. m.



Laboratory complex (new) "Food security"

>100 bln.rub.



Best Young Scientists Society 2024

DSTU DISSERTATION BOARDS

12

Dissertation boards

12

Leading scientists,
heads of the
scientific schools

1	Machinery building technologies
2	Construction
3	Construction mechanics
4	Animal pathology, morphology, physiology, pharmacology and toxicology
5	Labour safety Machinery, units and technology processes
6	Technology and equipment for agriculture
7	Social and political philosophy Philosophy of religion and religious studies
8	Pedagogy Psychology
9	Regional and branch economics Management
10	Material studies Welding
11	Construction materials and products
12	Mathematical Modeling, Numerical Methods and Program Complexes

SCIENTIFIC JOURNALS AND PUBLICATIONS

ARTICLES INDEXED

1105 Scopus

ARTICLES INDEXED

260 Article

13 Review

DSTU SCIENTIFIC JOURNALS

13 Journals



- Veterinary Pathology
- Legal Order and Legal Values
- Modern Trends in Construction, Urban Development and Territory Planning
- **Advanced Engineering Research**
- Safety of Technogenic and Natural Systems
- Scientific Almanac of the Black Sea Countries
- Innovative Science: Psychology, Pedagogy and Defectology
- The Don Region Young Researcher
- Computational Mathematics and Information Technologies
- Economics and Ecology of Territorial Units

DSTU STRUCTURE

5 institutes

Institute of Emerging
Technologies "X School"

Institute of Advanced
Mechanical Engineering
"Rostselmash"

Institute of End-to-End
Technologies

Institute of Creative
Technologies

Institute of Physical
Training and Sports

22 faculties

134 departments

Aircraft Engineering

Agribusiness

Mechanical Engineering

International

Automation, Mechatronics
and Control

Power Engineering, Oil
and Gas Industry

Road Transport Engineering

Transport, Service
and Maintenance

Media Communications
and Multimedia Technologies

Psychology, Pedagogy
and Defectology

Law

Life Safety and Environmental
Engineering

Civil and Industrial
Engineering

Social and Human
Sciences

Construction and
Engineering

Architecture, Design
and Art School

IT-systems and
Technologies

Service
and Tourism

Tool Engineering and
Technical Regulation

Bioengineering and
Veterinary Medicine

Innovative Business
and Management

Applied
Linguistics

DSTU INDUSTRY-UNIVERSITY DEPARTMENTS



- Transport systems and logistics
- Aircraft systems for special operations manufacturing technology
- Agricultural machinery engineering and production+
- Agribusiness products processing technologies and equipment
- Orthodox culture and theology
- Veterinary dentistry and oral surgery
- Steel and its alloys production technologies
- Drive systems
- Non-ferrous metal processing
- Design and engineering support of drive systems production

- Automated control systems
- Technical means of fish farming
- Transport machinery
- Ichthyology and fish pathology
- Hardware and software systems
- Engineering management in construction
- Industrial metrology
- Multimedia communications and technologies
- Social pedagogy
- Power plant engineering

LABORATORIES AND TRAINING CENTRES

BIZON TRADE:
MODERN AGRICULTURE



INNOVATION CENTRE
WITH AMAZONE WERKE

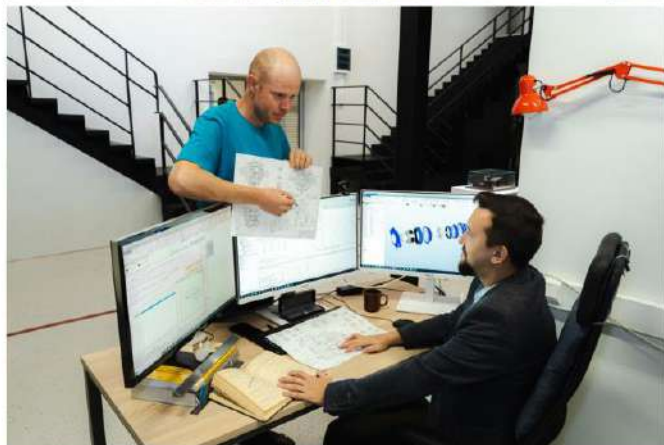


RESEARCH AND
INDUSTRIAL CENTRE



MACHINERY BUILDING LABORATORY ROSTSELMASH

РОСТСЕЛЬМАШ



MODERN VINICULTURE LABORATORY



LABORATORIES FOR YOUNG SCIENTISTS



3 LABORATORIES

to support young aspiring scientists working
on industrial partner companies cases



INSTITUTIONAL PARTNERSHIP

REPRESENTATIVE OFFICES IN UZBEKISTAN

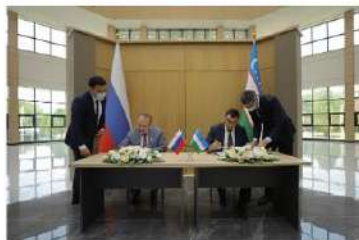
2 representative
offices of DSTU



Silk Road International
University of Tourism
and Cultural Heritage



Bukhara
State
University



DON INSTITUTE SDJTU-DSTU



since 2019



100 students
per program

JOINT EDUCATIONAL
PROGRAMS

Construction of Bridges and
Tunnels

Organization of
Transportations and
Transport Management

Computer Science and
Technology

JOINT STUDY PROGRAMS

BACHELOR'S DEGREE

2 years in partner university + 2 years in DSTU



DOUBLE DIPLOMA

MASTER'S DEGREE

1 year in partner university + 1 year in DSTU



DOUBLE DIPLOMA

32

joint study
programmes

THE MAJOR AREAS:

- Construction
- Veterinary Medicine
- Tool Engineering
- Technosphere Safety
- Cybersecurity of systems
- Software Engineering
- International Economics
- Applied Informatics
- Robotics and Mechatronics
- Psychophysiology and Clinical psychology

DEGREE PROGRAMS IN ENGLISH

BACHELOR`S DEGREE

- Digital Technologies in Agribusiness
- Computer Science and Engineering
- Web-based Information and Analytical
- Hospitality

EXTENDED BACHELOR`S DEGREE (5 YEARS)

- Pharmacy

MASTER`S DEGREE

- Aircraft maintenance
- Big Data and Intelligent Systems
- Civil Engineering
- Intelligent Transport Systems
- Sanitary Inspection, Clinical and Laboratory Diagnostics in Veterinary Medicine
- International Business
- Multimedia Projects Producing
- EdTech: Russian as Foreign Language

SHORT-TERM PROGRAMS

- | | |
|---------------------------|------------------------------------|
| ■ Construction | ■ Robotics and Mechatronics |
| ■ Veterinary Medicine | ■ Psychology and Education Science |
| ■ Tool Engineering | ■ Architecture |
| ■ Technosphere Safety | ■ Transport Logistics |
| ■ Software Engineering | ■ Aircraft Engineering |
| ■ International Economics | ■ Media communication |
| ■ Applied Informatics | |

VIRTUAL MOBILITY



MEDIA CAMP DSTU

International school for digital media competences development



DONLAND EXPLORER

Cultural Education Projects, Local history and culture studies

INTERNATIONAL FACULTY

Preparing international students for degree programs in the Russian language

ONLINE

- individual study plan
- convenient schedule considering time zones
- tutor assistance
- DSTU online platform skif.international.donstu.ru
- automatic testing of students' level of knowledge at various stages of the study process
- analysis of learning performance

ON CAMPUS (PARTNER UNIVERSITY)

- small groups (maximum 8 people)
- language labs
- research projects
- fully-equipped classrooms and laboratories
- facilities for self study
- access to online resources
- authentic Russian spirit

TEST OF RUSSIAN AS A FOREIGN LANGUAGE

- to obtain the internationally recognised certificate confirming the level of Russian language proficiency



SOCIAL AND CULTURAL PROJECTS

INTERNATIONAL STUDENTS MEDIA EXPEDITIONS

- «ROUTES OF THE QUIET DON»
- ANNUAL MEDIA PROJECT
«COMMON VICTORY»

- DAYS OF NATIONAL CULTURES
- SPANISH THEATER
- SPANISH FOOTBALL
- VARDZIA
- REAL MADRID FOOTBALL ACADEMY



STUDENT HEALTH AND SPORTS COMPLEX «RADUGA»

1500

holding capacity

Black Sea coast



STUDENT SPORT

49

 student sports teams

- football
- track-and-field athletics
- basketball
- handball
- cheerleading for kids and adults



CONTACTS



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