

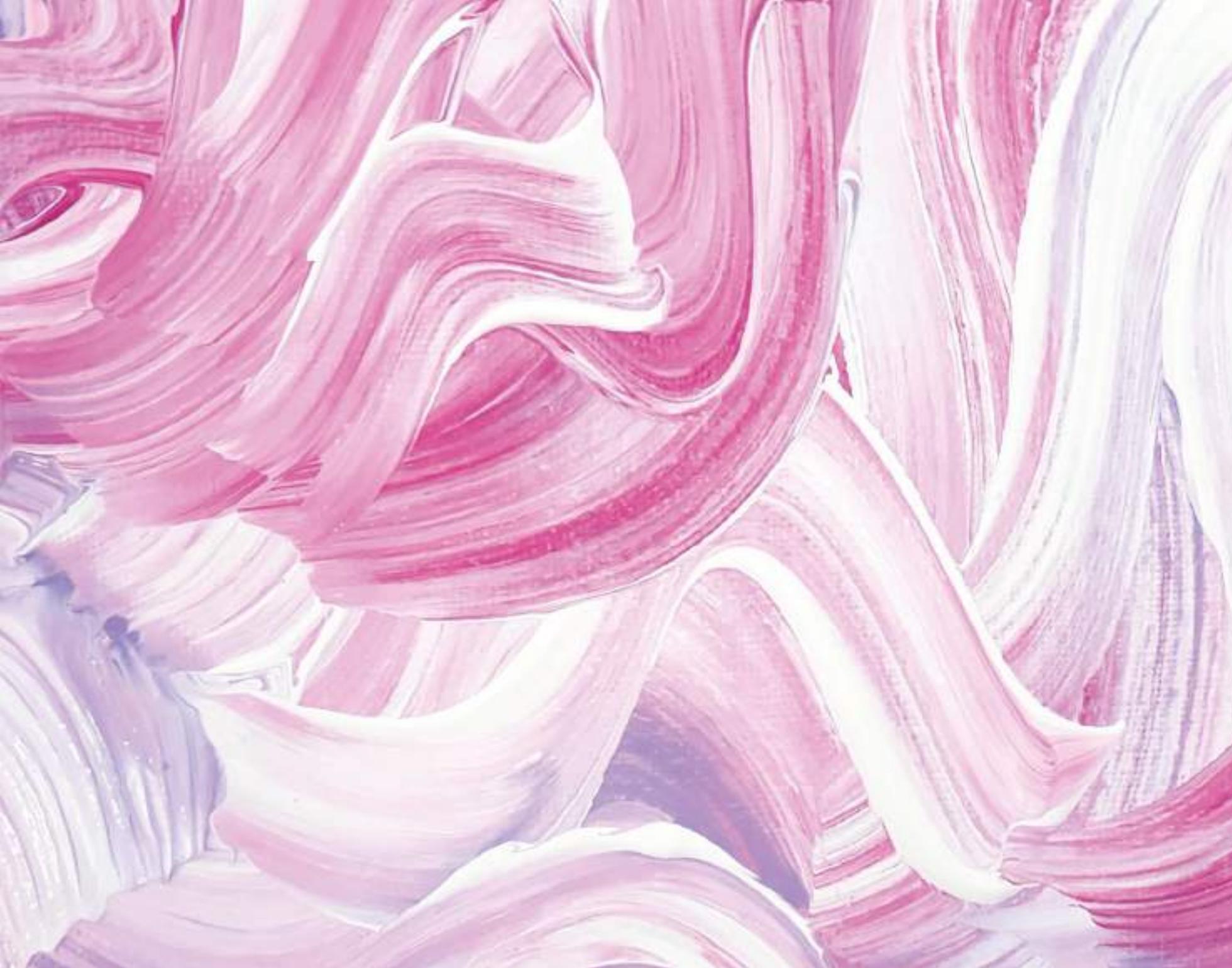




ITMO UNIVERSITY'S
ANNUAL REPORT
2020

ITMO VIBE
CLASSIFIED BY ITMO.FAMILY





ITMO UNIVERSITY IS YOUR VIBE

ITMO is anything and everything you want it to be.

This is a place for positive energy.

And this energy comes in different types: rebellious (outside of limits and conventions, unafraid of risks and ready to generate ideas); creative; intellectual; and even urban-minded (eager to develop shared spaces, smart homes, and cities of the future).

People are the heart of ITMO.

Everything we've done in 2020 and everything that we keep doing is to help them socialize, grow, and build personal connections - even in times when everything is online.

Our team is creating the university's **unique vibe:** its mood, atmosphere, music, a comfortable environment, simple communication through unique content, handy services, as well as the opportunity to build your own individual learning tracks and boost your skills while working on projects.

ITMO is a comfortable space

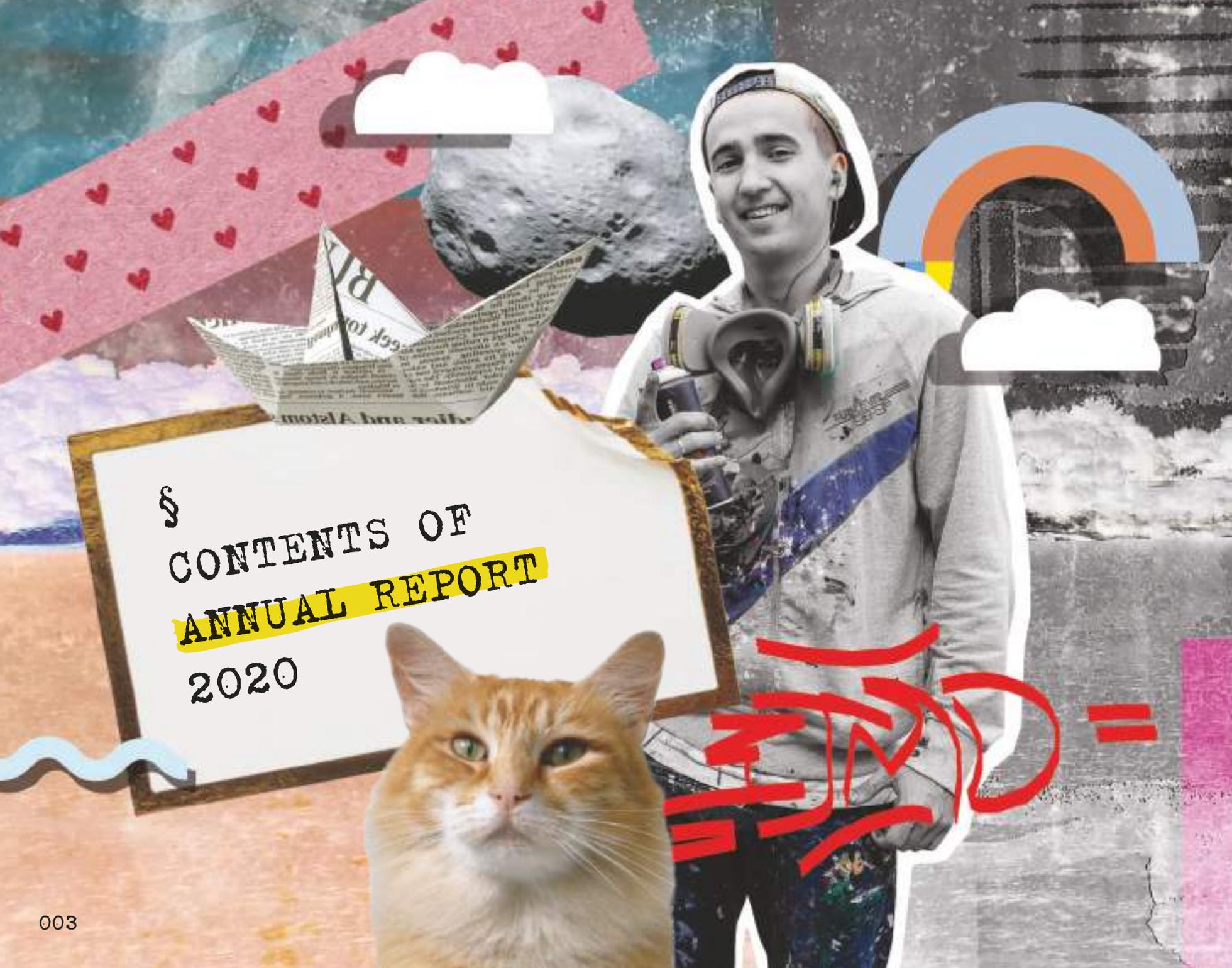
that brings together different people - students, staff members, alumni, school students and their parents, our partners, and citizens of St. Petersburg.

These people are our oxygen, built into the **ITMO Code** because love is one of our key values. Throughout the past year, we've proved that once again by taking on new challenges.

So what's our next **TOP LEVEL?**



§
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ANNUAL REPORT
2020



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>LEVEL I

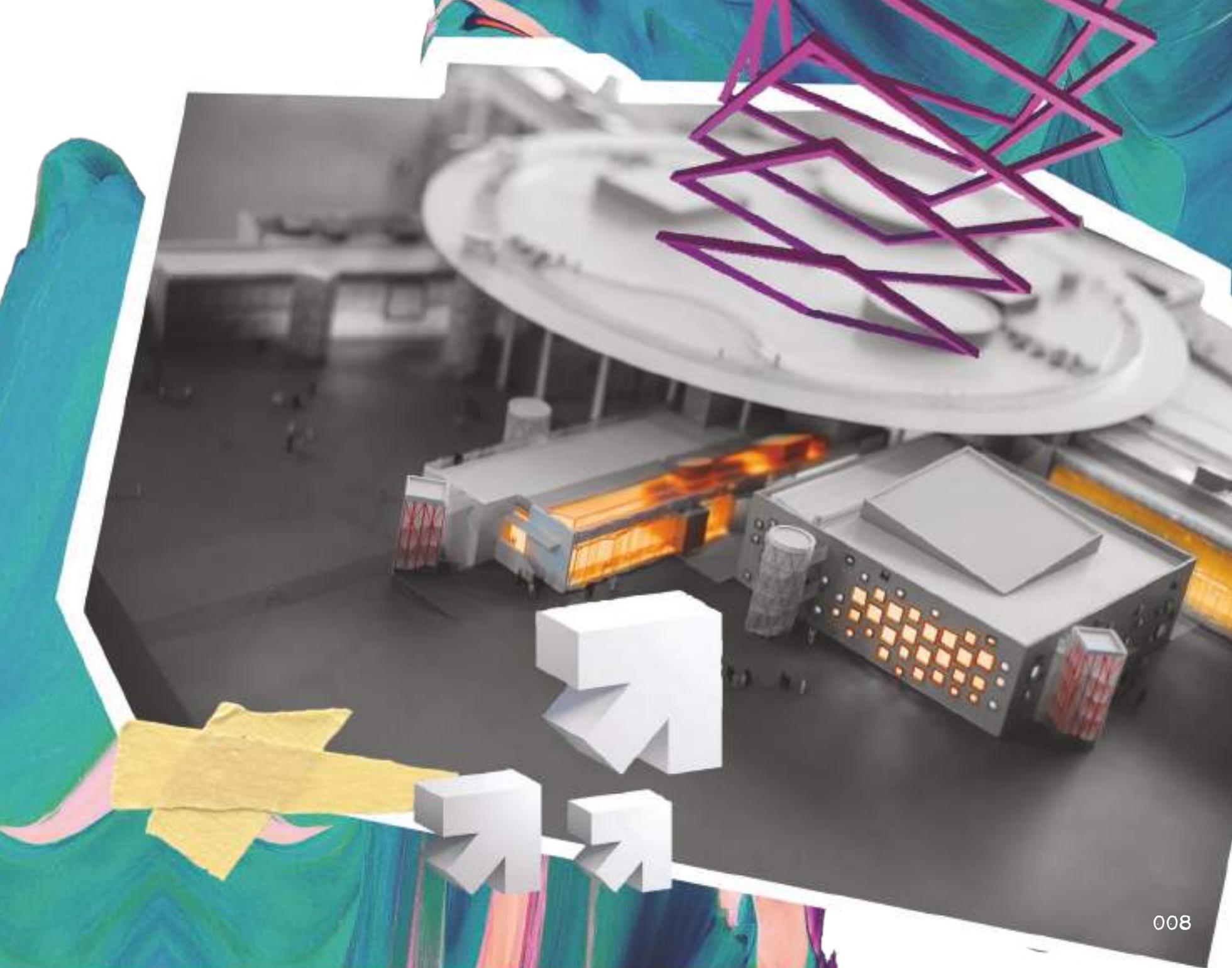
BIG DATA

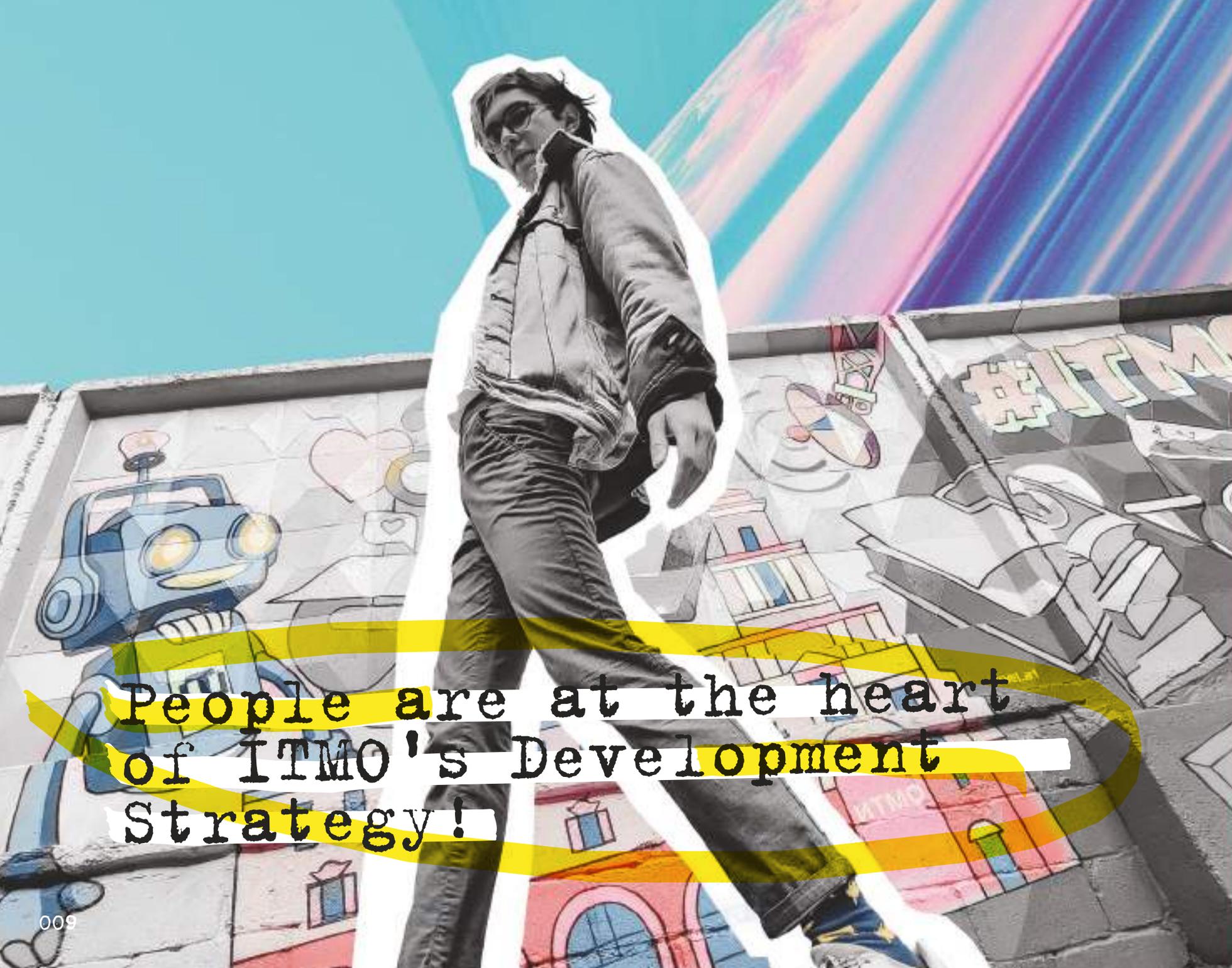


§ ITMO's 2030 Development Strategy: ambitious goals and tasks

Strategic markers in 2020:

- ITMO is a creative space for new ideas;
- ITMO is a global university with a multilanguage environment, a focus on science communication, and student ambassadors;
- ITMO is an open and young university: research, education, and environment;
- ITMO attracts Master's and PhD students;
- ITMO is in top-100 universities in the world;
- ITMO is hip and relatable: we speak the same language as our students and set trends;
- ITMO has a unique brand and approach to education: custom-built communication and services, individual learning tracks, ITMO Code, Schools, projects, team, content, talents, and much more.





People are at the heart
of ITMO's Development
Strategy!

Our mission:

to provide opportunities for the holistic development of individuals and to inspire them to tackle global challenges.

Strategic development goal for 2030:

to train world-class specialists for the R&D sector and address national scientific, social, and economic challenges, taking into account national goals and priorities, strategic objectives of the current stage of the country and the university's development, and dynamics of market and regional progress in order to achieve strong industry and society collaboration and involvement in all phases of the life cycle of knowledge, technologies, and markets.

Our strategic goal:

to generate new knowledge, technologies, and markets and support individual self-fulfillment in a VUCA (volatile, uncertain, complex, ambiguous) world.



Challenges for 2021-2030:

- digital and cultural transformation of business, economy, and social life, as well as the development of new market sectors;
- the competition between macroregions; their digital, technological, educational, and industrial sovereignty; nationalization of industrial standards;
- changes in society's demographic structure and the rising global competition in tech, research, and education, including the global competition for talent;
- changes in the job market; AI- and tech-driven search for new social and professional personal identities;
- the acceleration of changes, the challenge of uncertainty, and the growing complexity of work.



§

ITMO's ambitions for 2021-2030:

transdisciplinarity, foresight, global tasks.

Ambition I:

**Top-level research beneficial
for society**

- Shape scientific agenda in rapidly-growing fields and on the scientific frontier (emerging, high-risk, trending fields of research).
- Reach Nobel Prize levels of discovery by 2030.
- Ensure the safety of technologies and the public's trust towards them and prioritize the humanization of technology.
- ITMO is to become a hub for citizen science.

Ambition 2:

Top-level education

- To us, that means the best students, the best lecturers, and the best graduates.
- Research-based education and an international environment.
- Learning tracks built with internal and external content and the educational products of ITMO and its partners; the university's right to award Bachelor's and Master's degrees independently.





Ambition 3:

Inspiring environment

An environment that is adaptive, creative, and open to new ideas,

- ITMO attracts talents.
- ITMO is a university that creates open-source products, services, and technologies. It is a place for impact entrepreneurship and validation of breakthrough technologies.
- ITMO is a university that has the people's trust.

§

Development goals for 2021-2030

To train world-class specialists for the Russian R&D sector.

To implement R&D&I projects (Science and Technology for Society): breakthrough science, new knowledge-intensive products and raw materials, integration of new technologies into the industry.

Quality and popularity of ITMO's educational, research-oriented and technological, social, and other products and services.

Scaling the approach to the development of the Russian higher education system as an environment for the fulfillment of students' individual potential and their personal development based on best practices, taking into account the national identity, training model, traditions, and strengths of the Russian approach to education.

Contribution to the social and economic development of Russian regions and the digital transformation of economic fields and markets.

Network communication, integration, and cooperation of ITMO University with other research and educational organizations, as well as those in the real economy.



Qualities of ITMO's
target model:

- research-oriented;
- entrepreneurial;
- global;
- socially responsible;
- open;
- dynamic;
- results for people.



§ Reputation 2020

ITMO University in Expert Center Rankings of Russian universities:

1st place

computer science

2nd place

engineering sciences

3rd place

materials sciences

4th place

chemistry

13th place

RAEX-100 2020

360th place

RUR World University Ranking 2020
+85 positions

6th place

RUR Russian University Ranking 2020

201-205

THE Impact Rankings 2020

TOP-400

QS World University Rankings

201-205

QS WUR in Electrical & Electronic Engineering

Top 100

QS WUR in Computer Science

ITMO through the years: international university rankings

Number of global, subject,
and field-based rankings that feature
ITMO University:

2016	-	2
2017	-	7
2018	-	13
2019	-	18
2020	-	24



Global projects for strategic development

Project timeline

2012–2013

The university first hatches the idea of creating a world-class research, education, and innovation center.

2014

ITMO secures partnership with Start Development, which contributes 87 hectares in the south of St. Petersburg.

2017

ITMO receives federal support from Russian PM Dmitry Medvedev. The project is dubbed ITMO Highpark.

2018

ITMO launches an open call for the best architectural solution, evaluated at the cost of 59 million rubles. The contest is won by the Moscow-based agency RTDA. An international expert council is established, created with ITMO representatives.

#1

ITMO Highpark –
ITMO's growth driver

ITMO Highpark is a world-class research, education, and innovation center in the Pushkinsky district of St. Petersburg.

At the core of its development is a collaboration between education, science, and business. The project consists of several sections that will allow it to become a platform for the generation of new knowledge, its commercialization, and introduction into new markets.

The mission and vision of the project is to fulfill human potential and create an ecosystem for talents, well-being, and investments.

Winter 2018

Experts choose a concept proposed by the Allies and Morrison agency as the basis of Highpark's architectural solution.

2019

Architectural bureau Studio 44 wins the contest for the design of ITMO's second campus.

Contract price –
196.7 million rubles.

2020

The Urban Development Council of St. Petersburg approves the design of the first construction stage of ITMO Highpark, with the second campus of the university at its core. The future location of ITMO Highpark hosted its first large-scale event – a meeting of ITMO's Academic Council.

End of 2020

The university launches the website of ITMO Highpark. You can see the project timeline, learn all about the cutting-edge research that'll take place here, and find out how to become a resident at: hp.itmo.ru

+

Future is now...

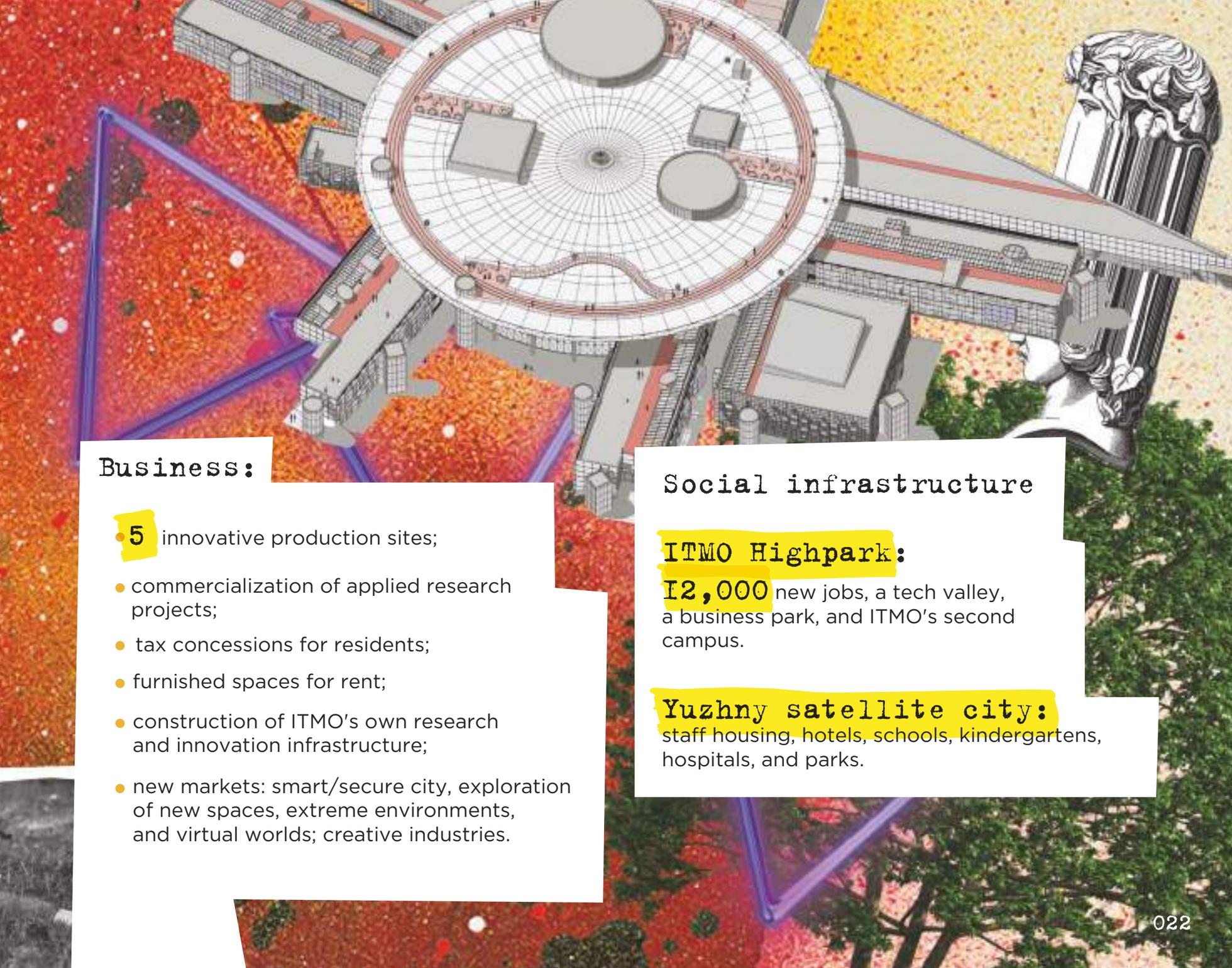
Education

ITMO University's second campus:

- **3,600+** Master's and PhD students;
- applied research and its commercialization;
- interdisciplinary environment;
- talent from all over the world.

World-class science:

- **50+** international research laboratories;
- applied research and its commercialization;
- young scientists fulfilling their potential;
- testing ground for new technologies, solutions, and ideas;
- academic priority areas: intelligent technologies and cyberphysical systems, photonics and quantum technologies, biochemical technologies.



Business:

- **5** innovative production sites;
- commercialization of applied research projects;
- tax concessions for residents;
- furnished spaces for rent;
- construction of ITMO's own research and innovation infrastructure;
- new markets: smart/secure city, exploration of new spaces, extreme environments, and virtual worlds; creative industries.

Social infrastructure

ITMO Highpark:

12,000 new jobs, a tech valley, a business park, and ITMO's second campus.

Yuzhny satellite city:

staff housing, hotels, schools, kindergartens, hospitals, and parks.

#2 National Center
for Cognitive Research:
ITMO Avatar – a digital
space for ITMO.FAMILY

Avatars are students' personal assistants that help them navigate ITMO's educational environment. It's the university's digital space in one app with answers to questions and requests of each ITMO.FAMILY member – students, staff, partners, prospective students, or alumni.

Avatars are tailor-made for every user. They will help find the most relevant news and research projects, choose a thesis supervisor, schedule a meeting, or create an individual learning track. The available services are constantly improved and updated.

Core solution: a dynamic digital reservoir regularly filled with new data of the environment's participants. After sharing their personal values and desired personal development fields with the Avatar, members of ITMO.FAMILY will be able to track their paths, set goals, find like-minded people, and get the most out of their professional and personal development at ITMO.

ITMO Avatar will be able to complete specific tasks for users by identifying optimal ways to reach their goals, highlighting rational and timely decisions, and offering personalized recommendations based on users' requests, behavior, and personal achievements.

Interaction: with the platform (the training of your avatar) is possible on a daily basis. You can also track the feedback you receive from the system and adjust your strategy and actions accordingly.

Project team:

Launch your progress
with ITMO Avatar
at avatar.itmo.ru

The experience gained when developing the project will be shared with other universities and companies within the national program for expansion and implementation of the Digital University model. This initiative will transform Russian universities and create the conditions for training high caliber professionals for the digital economy.

Partners: Sberbank, Mail.Ru, Gazprom Neft, and others. (the Center's consortium includes 20+ leading organizations in the field).

25+ professional young developers from ITMO's National Center for Cognitive Research.



Head of the project:
Klavdiya Bochenina, a senior researcher at the National Center for Cognitive Research.

+

ITMO Avatar services in 2020

Personalized news feed

Your Avatar will put together every interesting and important announcement: info about your studies, as well as student and university events. The more you use your feed, the better it adapts to your needs and preferences.

Calendar

Everything in one calendar: from class and exam schedules to synchronization with Google Calendar and making your own events.

Recommended news and events

ITMO Avatar analyses your digital footprint to find the most relevant and useful information to help you make progress and grow.

Plans for 2021:

ITMO Avatar is to become a full-fledged means of communication and personal time management for all members of ITMO.FAMILY.



National Research Center for Quantum Internet

Strategic project: a special platform for building and expansion of quantum networks (quantum internet).

Partners: Russian Venture Company (RVC), Russian Railways.

Pilot project: quantum highway between St. Petersburg and Moscow based on the infrastructure of Russian Railways.

Investment in the project - **453,6 million rubles**
(contract with Russian Railways for the development of the pilot quantum highway).

Results by 2021: a software-hardware solution by ITMO's National Center for Quantum Internet that will make it possible to transfer confidential information of different types and volumes. This solution will serve as a base for protected networks of any scale - from local (for companies) to highways.

Among the first clients of the solution will be financial organizations, governmental corporations, production facilities, and infrastructure objects. Quantum cryptography ensures the highest level of data security available today.

In the future, the National Center for Quantum Internet is planning to implement its solutions on the national scale, which will turn the country into a logistics and communication center between Europe and Asia, as well as guarantee a swift and secure data transfer for real economy sectors in light of the growing number of devices connected to the Internet of Things. **For instance, over the last 10 years the volume of data transfer has increased by 50 times.**



#3

NTI Center

In late 2020, ITMO University entered the consortium of the NTI Photonics Center based at Perm State University.



ITMO University became one of the consortium's key partners.

The Center is working towards integrated end-to-end photonics solutions and their applications in various real economy sectors, as well as the formation of a sustainable system for the development of integrated and fiber optics technologies in the field of fundamental and applied knowledge.





>LEVEL 2

OPEN SCIENCE

§ **Research** and young scientists

Key areas of research:

- computer and information technologies;
- robotics;
- photonics and quantum technologies;
- smart and functional materials;
- biotechnologies.



+ Research and publication activity

560+ research projects, including **33** R&D projects.

Research became more practice-oriented.
A number of major R&D projects result in prototypes.

3,528 million rubles –

total volume of investment in research and R&D projects in 2020.

230.1 million rubles –
of university funds.

437 million rubles –
from the Russian Science Foundation.

107.3 million rubles –
on international research. .

115.7 million rubles –
megagrant funding.



+ Research funding through the years

2017 - **2,625** million rubles

2018 - **2,818** million rubles

2019 - **3,219** million rubles

2020 - **3,528** million rubles

2,050+

number of Scopus-indexed publications (SJR - 0.83).

Scientific and Technical Journal of Information Technologies, Mechanics and Optics is included in the Scopus database

114 articles were indexed

59+

publications in the Nature Index (the university's Share

is **18.47**).

+ Partners and clients



ЛОМО and others.

Corporations



Nitride Crystals Inc.



and others.

As part of the federal targeted program Research and Development in Priority Areas for Russia's Science and Technology, in 2020 ITMO University collaborated with partners on 18 projects.

Total funding - **156.3 million rubles.**

The program was completed in 2020.

§ Research projects at ITMO University

+
In collaboration with partners

Development of a DNzyme probe-based test-system for express diagnostics of infections in central nervous system

Partner: Centre for Strategic Planning of FMBA of Russia
Head: Elena Koshel, PhD

Development of an electrochemical sensor platform for the analysis of a wide spectrum of bioanalytes

Partner: Galaktika Corp.
Head: Ekaterina Skorb, PhD

Adaptive sensorless control of synchronous motors for intelligent robotics and transport systems

Partner: JSC Diakont
Head: Anton Pyrkin, DSc, Prof.

Using graphene to detect kinase and influenza A and B viruses

Partner: Nitride Crystals Inc.
Heads: Alexander Lebedev, DSc,
Alexander Usikov, PhD

Development of a microfluid chip for cancer cell cultivation and testing their sensitivity to treatment

Partner: Privolzhsky Research Medical University
Head: Mikhail Zuizin, PhD

Development of a high-temperature optic fiber sensor for thermal processes in reaction chambers of turboshaft engines

Partner: JSC Klimov
Head: Igor Meshkovskiy, DSc, Prof.

Development, production, and supply
of optical amplifiers

Partner: JSC Promising Technologies Department
Head: Igor Meshkovskiy, DSc, Prof.

Development of a control system for a converter
of a propulsion alternating current electric
train EP5DA

Partner: JSC RER
Head: Valentin Tomasov, PhD, Assoc. Prof.

+ Megagrants

Hybrid light-matter states in low-dimensional
quantum materials with set properties

Funding in 2020: 17.5 million rubles

Head: Maurice Skolnick, PhD

Development of a multifunctional raman
gas analyzer with ultraspectral isotope
resolution

Funding in 2020: 14.75 million rubles

Head: Vladimir Vitkin, PhD

Development of a software-hardware complex
for monitoring crucial objects when dealing
with uncertainty and untrustworthy data
to prevent technological hazards

Funding in 2020: 15 million rubles

Head: Danil Zakoldaev, PhD, Assoc. Prof.

Development of new devices based on ceramic
materials to increase the efficiency
of wireless energy transfer systems
and magnetic resonance imaging

Funding in 2020: 20 million rubles

Heads: Polina Kapitanova PhD, Irina Melchakova, PhD

§

The Laboratory of Genomic Diversity

This new department created in 2020 is meant to become an important Russian research center in the field of bioinformatics.

Key competencies: assembly of genomes of various organisms, analysis of genetic diversity of animals and people.

The center's research will help combat various diseases, as well as offer a deeper understanding of the processes behind the expansion and reduction of biodiversity on the planet.

Chief scientific officer: established American scientist Stephen J. O'Brien.



§ Training specialists of the highest quality

10 Academic Degree Councils.

20 research specializations.

4 fields of science.

118 PhD theses defended

(**94** at ITMO's own Academic Degree Councils).

6 DSc theses defended at ITMO's own Academic Degree Councils.

63 online defences.

3 joint theses defences with experts from international universities to award PhD degrees of ITMO University and Ulm University of Applied Sciences (Germany)

and **1** joint defence with the University of Paris-Saclay (France).

§ International PhD studies

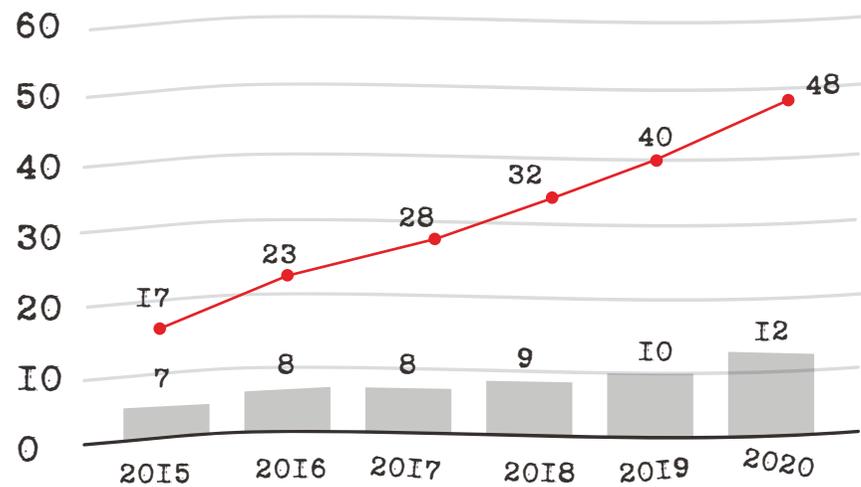
48 joint PhD programs.

12 partner countries: Germany, France, Australia, the USA, the Netherlands, Israel, Finland, and others.

64 PhD students took part in joint educational programs with international organizations.



+ Through the years:
joint educational
programs with
international
partners



number of countries number of programs

2020 marked the successful implementation of the final stage in **8** educational programs with leading universities of France, Germany, Israel, and Finland.

II more programs are to be completed in 2021.



§ **Young science:**
results of research
by young scientists

+ Research activity in 2020

1,005

participants of university-funded research projects with Master's and PhD students.

Total funding -

146.8 million rubles.

108

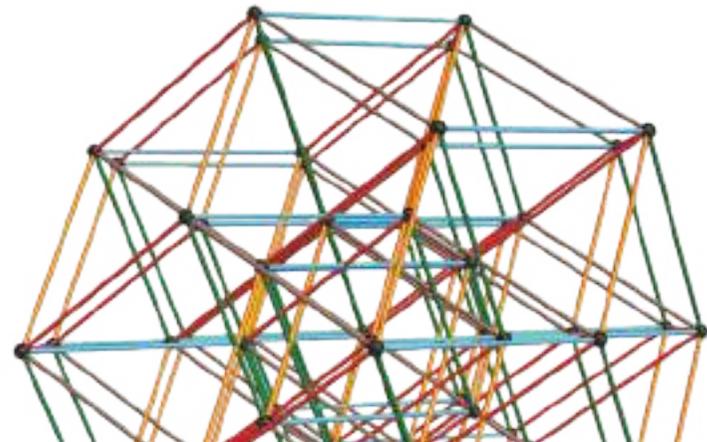
participants in a contest of practice-oriented university-funded research projects.

Total funding -

32.5 million rubles,
including procurement.

2,711

student presentations delivered at events, competitions, and contests carried out at ITMO University.



+ Student thesis competition

238 Bachelor's and Master's students

11 winners

+ Regional student contests held by St. Petersburg-based universities

11 contests

173 participants from ITMO

Winners and runners-up in five areas: mathematics, physics, business economics, informatics and programming, robotics.

+ Government of St. Petersburg Grant Contest 2020

357 applications

95 grants won

ITMO University took **1st place** among young researchers of St. Petersburg.

+ Government of St. Petersburg Prize in the Field of Science Education

35 applications **7** winners



+
**President of Russia Award
for Young Scientists
in the Field of Science
and Innovation**

Senior research associate at ITMO's Faculty of Physics and Engineering

Sergey Makarov became a laureate of the President of Russia Award for Young Scientists in the Field of Science and Innovation.

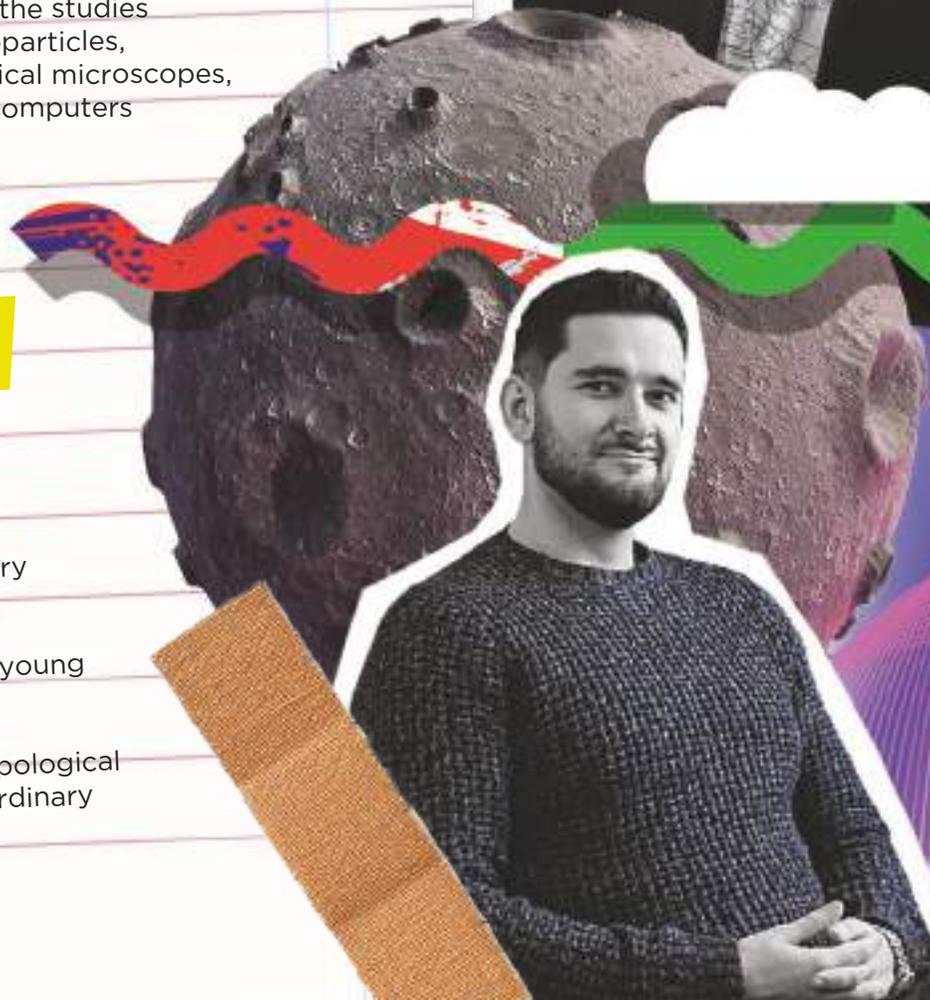
The award recognized the physicist's contribution to the studies of optical properties of resonant semiconductor nanoparticles, the use of which can help improve solar cells and optical microscopes, and, in the future, advance in the creation of optical computers as well as the fight against cancer.

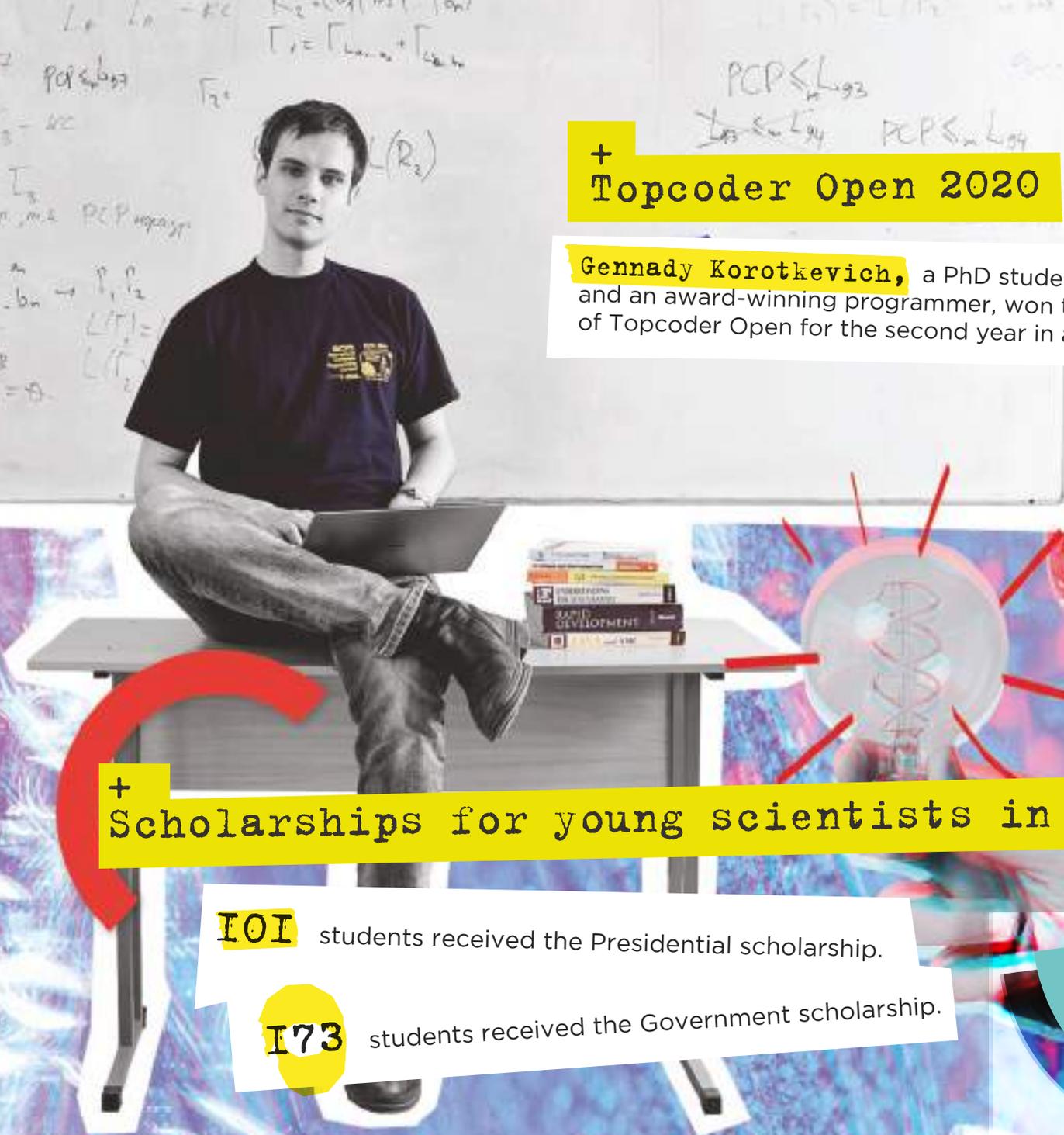
+
IEEE Graduate Fellowship

Dmitry Zhirihin, a PhD student at ITMO University, has received the Graduate Fellowship of the IEEE Microwave Theory and Techniques Society.

This prestigious award is annually granted to only 12 young scientists working in the field of microwave physics.

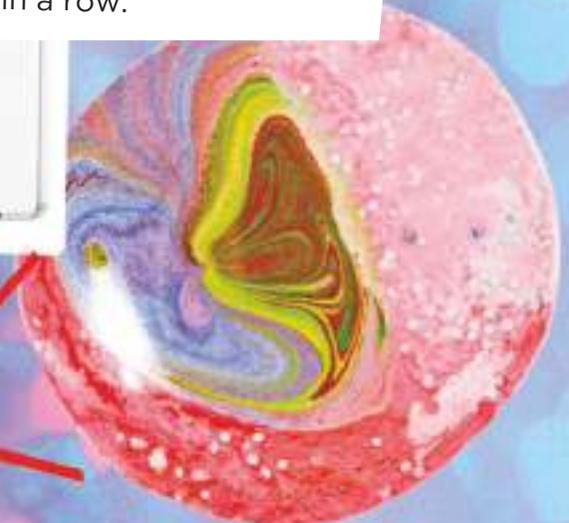
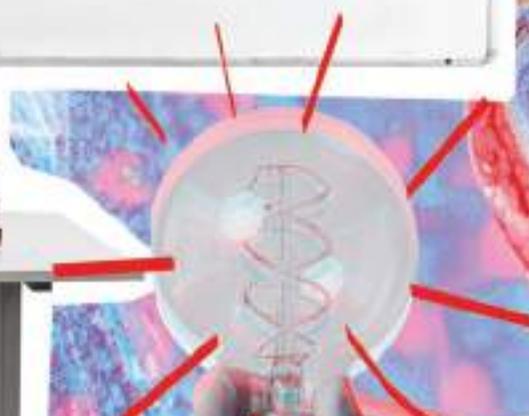
The committee recognized Dmitry's research into topological insulators, a promising class of materials with extraordinary properties.





+
Topcoder Open 2020

Gennady Korotkevich, a PhD student at ITMO University and an award-winning programmer, won the Algorithm track of Topcoder Open for the second year in a row.



+
Scholarships for young scientists in 2020

IOI students received the Presidential scholarship.

I73 students received the Government scholarship.

+ Government of St. Petersburg Awards for students whose thesis projects provide solutions to tasks outlined by St. Petersburg's executive branch of government



Melanya Arutyunyan

Development of a method for automated detection of locations where pedestrians are likely to cross roads.

Tatyana Zyambaeva

Digital education environment as a means of educators' professional development.



Maria Mikhailova

Achieving the necessary building energy efficiency certificate with engineering and technological energy conservation measures.

Nina Pavlova

Improving the efficiency of using budgetary funds in the digital economy.



§ Major scientific events and formats

+ ITMO Open Science

The most non-classical scientific conference of 2020.

Format: offline.

Location: Russia's largest private museum of contemporary art, Erarta.

A unique program:

Megabattle, Power Pitch, Future Now, Industrial Battle, and Open Talk.

Each of these formats opens opportunities for the conference participants, including heads of international research centers and young scientists – ITMO's Master's and PhD students.

+ 49th Science and Education Conference at ITMO University

1,260+ presentations by conference participants.

As a result, **308** research papers were published in the RSCI-indexed Almanac of Young Scientists of ITMO University.

+ Congress of Young Scientists (CYS)

Format: online.

The closing ceremony was held in **Minecraft**.

2,509 participants.

1,600+ presentations. .

Geography: 60 Russian cities.

180+ research and educational organizations.

+ **CYS presentation contest for prospective Master's students**

323 participants.

(**75** — from other organizations).

221 winners enrolled in ITMO's Master's programs in 2020, among them

55 came from other universities.

+ I am a Professional student contest

678,717 registered participants.

26 leading Russian universities.

94 finalists from ITMO University.

+ It's Your Call! winter school

Part of the I am a Professional student contest.

180 participants.

59 Russian cities.

67 winners enrolled in ITMO's Master's programs

and **17** winners - in ITMO's PhD programs.



+ Student Science Open Day

A large-scale scientific festival.

Format: online.

Participants could learn about the most promising research areas, the opportunities for Master's and PhD students at ITMO's leading research centers, and even take part in virtual tours of laboratories.

Speakers — **54** researchers.

1,000+
livestream viewers.

2,000+
views on YouTube.

+ Scientific meetups

A series of meetups for researchers.

Meetups are informal meetings moderated by Vladimir Nikiforov, ITMO's Vice Rector for Research, for researchers and anyone interested.

Each meeting focused on a specific scientific problem or a research project conducted at ITMO University.

The events were open to the public - any researcher interested in ITMO's scientific projects could take part in discussions.





ITMO LOVE





> LEVEL 3

INTERNATIONAL
& EDUCATION

§

Education and international development

2020 was a year of challenges and new solutions in education and international development. The global transition to the online format prompted by the pandemic significantly affected the university's plans.

The academic mobility indicators remained on the same level as before; international staff members worked remotely while PhD students postponed their visits to partner universities. ITMO University adopted tools for online education and quickly developed new formats for **communication with international partners**, students, and lecturers. These new formats will definitely be used at the university in its future development.

We held **international online schools** in digital humanities, art & science, programming, nanophotonics, entrepreneurship, control systems and robotics.

ECC is one of the world's largest conferences on control theory.

This conference was first held in Grenoble, France in 1991. In 2013, the conference became annual.

Format: online. **4** days.
374 participants.

Geography:

47 countries, including Germany, Italy, France, Sweden, the USA, China, Canada, Brazil, Japan, Australia, and others.

2,000+ viewers and guests at sessions held in Zoom and on YouTube.

9 online conference rooms worked in Zoom simultaneously.

Audience: young researchers. Over half of the participants and viewers

were under **35.**

Apart from the main sessions there also was a virtual reception, virtual tours of St. Petersburg and its museums, as well as virtual coffee breaks in the Online Town system.

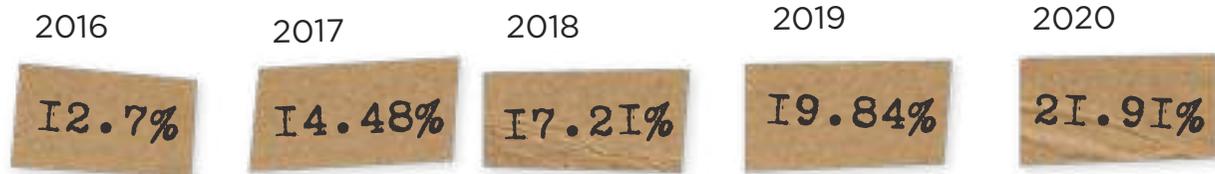
+ European Control Conference 2020

6 reports from the world's leading researchers on how control theories are integrated in different knowledge fields:

- **biological systems** (Eduardo Sontag, USA);
- **mathematical methods** (Emilia Fridman, Israel);
- **contemporary robotics** (Stefano Stramigioli, the Netherlands);
- **cutting-edge engineering** (Vladimir Peshekhonov, member of the RAS, Russia);
- **power systems** (Florian Dörfler, Switzerland);
- **quantum computing** (Mazyar Mirrahimi, France).

§ Through the years: ITMO University's international development

Percentage of international students enrolled in the university's educational programs, including those from CIS member states:



Percentage of international professors, lecturers, and researchers, including Russian holders of PhD degrees from foreign universities:



Programs held in English

Number of educational programs taught in the English language:

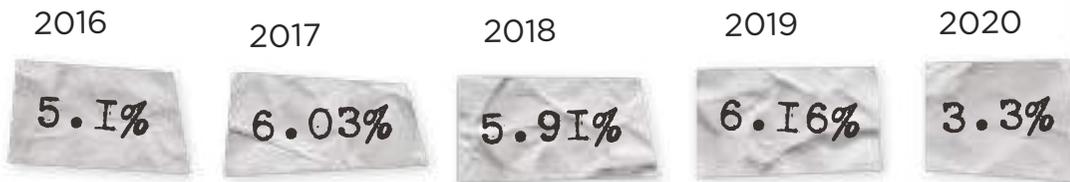


Percentage of educational programs held in English:



Academic mobility

Incoming student academic mobility:



In 2020, ITMO University joined the international organizations Ertico and Eurecom, becoming the only Russian university to join the latter.

Ratio of incoming/outgoing academic mobility:



ITMO Fellowship & Professorship

Number of program participants:



§

Educational environment at ITMO University

+ For students

ITMO University's educational environment

is unique because it gives students the opportunity to shape their own learning paths (tracks) that are made up of courses (modules) based on students' goals, motivation, and interests to help them develop their personal skills and competencies and use the world's best educational practices.

Students choose their courses **twice** in an academic year.

Starting from 2018, ITMO has been implementing educational programs based on the university's own standards, including the non-classical educational model.



+ ITMO's educational model

BACHELOR'S DEGREE

1st year

2nd year

Core university module:
digital culture, thinking, English, history, creative technologies, entrepreneurial culture, soft skills, fundamental module, internal academic mobility module.

3rd year

4th year

Professional competencies
+ research projects
(up to **9%** of the curriculum).

MASTER'S DEGREE

1st semester

Core university module:
digital culture, entrepreneurial culture, thinking,
creative technologies, soft skills, English.

2nd semester

3rd semester

**Professional
competencies**

4th semester

+ research projects
up to **50%** of the curriculum).

PhD DEGREE

4 YEARS

Educational module
+ research





+ ITMO's educational programs in 2020

238 educational programs.

77 specializations.

50 network educational programs.

24 international educational programs.

New specializations:

mathematics and computer sciences,
chemical technologies, biology
(enrollment in 2021).

24 academic partners.

58 corporate partners.

A new type of educational programs:

programs in promising fields that correspond to pressing challenges for science and society that demand interdisciplinarity and universal competencies.

The number of scientific Master's programs increased in 2020.

§ ITMO.ONLINE

An internal student contest giving every student the chance to apply for financial coverage of MOOC education costs.

The competition is open for any Bachelor's, Master's, Specialist's and PhD student who has successfully completed a course on an online platform and wishes to receive cost coverage on their course completion certificate.

The core principle is in creating additional opportunities for students' fulfillment and expanding their academic freedom, thus making it possible for students to study anywhere (for example, online courses can be included on the transcript of records together with conventionally-taught courses).

ITMO.ONLINE is implemented in accordance with the ITMO Code and provides additional opportunities for learners: mastering something important for a particular student (Values); learning from the best experts in Russia and the world (Fundamental); and developing their skills even further with high-quality online content (Professional Skills + Soft Skills).

**Top-5 online courses
among ITMO.Online
winners:**

- **Machine Learning**
(Coursera, offered by Stanford University);
- **Linear electric circuits**
(offered on Open Education);
- **Programming and web development**
(offered on Open Education);
- **Theory of Inventive Problem Solving**
(offered on Open Education);
- **Nanotechnology: A Maker's Course**
(Coursera, offered by Duke University).

269

applications.

I45

winners.



+ ITMO University's Career Center

A practical training module in ISU.

Various career events.

2,300 students

took part in career events in 2020.

Project of 2020: career consultations.

The launch of **Career Center's blog** on ITMO.NEWS.





§

For lecturers
and the faculty

+ ITMO.EXPERT

The program has been
operating since 2018.



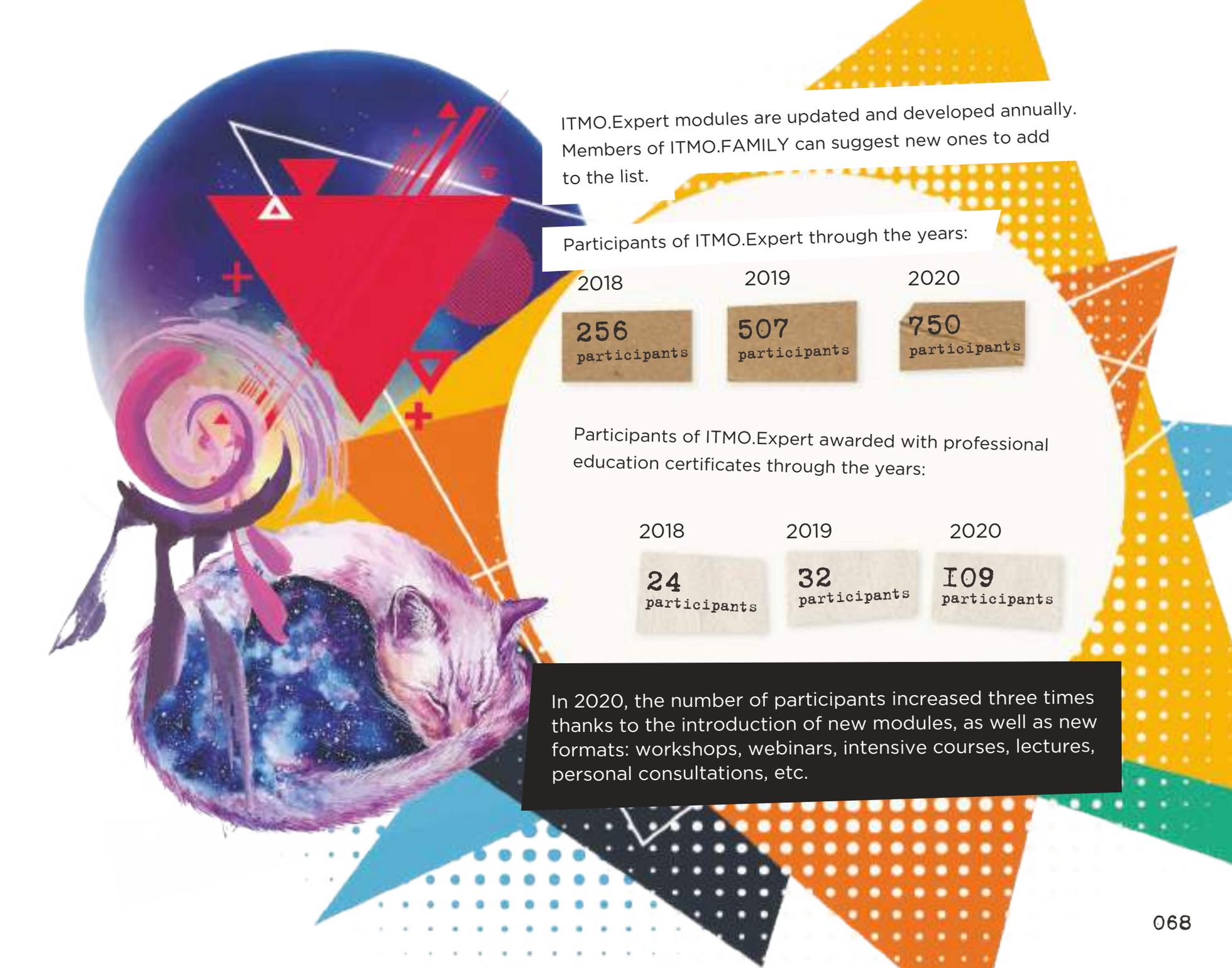
A professional development program aimed at boosting lecturers' ability to apply modern educational technologies and further improve courses offered at ITMO University.

Target audience of the project:
heads of educational programs, lecturers, researchers,
and PhD students.

ITMO.Expert modules in 2020

11 modules were implemented:

- Online education;
- Digital pedagogy;
- Motivation strategies;
- Smart technologies;
- Project-based learning;
- Gamification techniques and technologies;
- Research work;
- Collaboration and communication;
- Team building and group work methods;
- School of aspiring lecturers;
- Educational program design.



ITMO.Expert modules are updated and developed annually. Members of ITMO.FAMILY can suggest new ones to add to the list.

Participants of ITMO.Expert through the years:

2018

256
participants

2019

507
participants

2020

750
participants

Participants of ITMO.Expert awarded with professional education certificates through the years:

2018

24
participants

2019

32
participants

2020

109
participants

In 2020, the number of participants increased three times thanks to the introduction of new modules, as well as new formats: workshops, webinars, intensive courses, lectures, personal consultations, etc.

§ ITMO. DISTANT

A trend towards blended learning

An online information platform with methodological recommendations, materials, expert opinions, and best practices for organizing distance teaching at ITMO University.

The platform launched in March 2020
(during the period of transition to online learning due to the pandemic).

The platform continues to grow and develop as a service for blended (offline-online) learning.

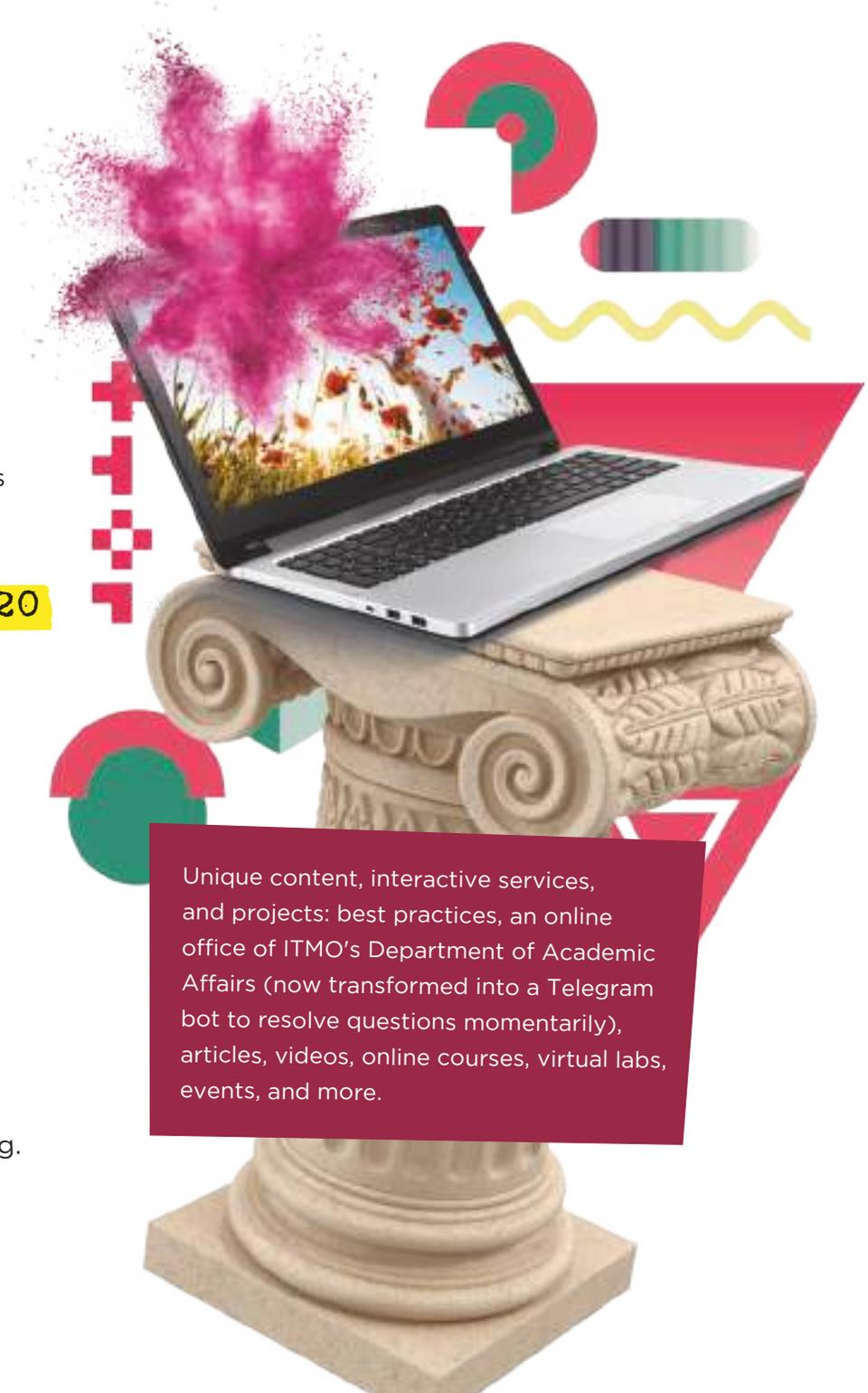
198,000
views.

100,000
unique users.

189
guides and tips
on organizing
remote learning.

80+
tools for remote learning.

Unique content, interactive services, and projects: best practices, an online office of ITMO's Department of Academic Affairs (now transformed into a Telegram bot to resolve questions momentarily), articles, videos, online courses, virtual labs, events, and more.



+ Quality of education

ITMO's educational quality system has been developing since 2016.

In 2019, ITMO received its **ISO 9001:2015** quality management systems certificate.

Quality management tools in 2020:

- quality button in ISU;
- a 360-degree feedback system aimed at comprehensive evaluation of implemented courses. The system is based on surveys for students and lecturers, expert analysis, and recommendations for the optimal fine-tuning of educational activities;
- the launch of students' and faculty support offices, including timely announcements via the university's own Telegram channels.





> LEVEL 4

TECH

§

Entrepreneurship and innovation

+ Developing ITMO's
innovation
infrastructure

2014

ITMO Technopark
is founded.

Launches:

- QD business incubator;
- ITMO's business incubator;
- SumIT startup accelerator;
- iDealMachine accelerator.

30+
residents.

2015

10+

teams took part
in the acceleration
program.

The launch of Future Technologies –
Russia's first accelerator
for hardware projects.

Launches:

- School of Technology Brokering;
- FUND IT fundraising school;
- ITMO FabLab: 500+ young researchers,
900+ classes a year,
45+ practical courses;
- OLIMP open laboratory;
- Engineering center M2M Telemechanics
and Instrument Engineering;
- 40+ small innovative enterprises (SIEs):
total revenue - 100 million rubles;
- over 12,000 people
participated in innovation
and entrepreneurship events.

2016

ITMO's business incubator takes 1st place in the Russian incubators ranking (total of 6 ITMO-affiliated incubators).
Source: UBI Global.

3 ITMO startups participated in the Startup UCLA acceleration program.

A pre-accelerator program is launched in collaboration with TURN 8 venture foundation (Dubai, UAE):

60 applications, 9 startups.

46 SIEs were founded, including:

- Quantum Communications (capitalization - **90 million rubles**);
- Intelligent Information Systems (capitalization - **50 million rubles**).

Total investments raised by resident startups - **700 million rubles.**



2017

50 SIEs.

Total investments raised by resident startups – **750 million rubles.**

Technopark resident Optimal Transport Systems developed a multi-agent transportation model for the 2018 FIFA World Cup.

Technopark resident AGCT attracted **44 million rubles** in investments from the RBV Capital foundation at the Startup Village conference.

ITMO's business incubator was named incubator of the year by the Internet Initiatives Development Fund.

Launch of the acceleration program for female entrepreneurs **Girls4Tech.**

Launch of the joint program **MIT Global Startup Labs** in collaboration with the Massachusetts Institute of Technology.

Launch of the **ITMO.KIDS** technopark, where children can try their hands at professions of the future in a fun and engaging format.



2018

2,252 students of acceleration and practice-oriented programs at Future Technologies and SUMIT accelerators.

56+ new startups

10+ network projects aimed at overcoming technological barriers associated with emerging markets and industries

Total funding for projects
90 million euros.



Products developed by technopark resident ORBI Prime named among best innovations in Wearables and VR/AR at CES technology and innovation show in Las Vegas.

Total investments raised by resident startups -
750 million rubles.

2019

ITMO Accelerator:

- 600 applications,
- 180 graduates,
- 116 startups,
- 600 participants in events,
- 14.5 million rubles in investments.

ITMO University's startups joined best international accelerators:

- Techstars,
- 500 Startups,
- Starta,
- Bayer,
- ROCKSTART.

ITMO University featured in top 10 Russian universities according to Forbes.
The only St. Petersburg university on the list.

O.Vision startup featured in the top 3 startups at the SLUSH international forum - the best result for a Russian company over the 12 years of the forum's existence.

Technopark resident **ATG Service Gene** won in Best Innovations category at SmartBizExpo 2019 in Hong Kong.

Technopark resident **DCZD.TECH** placed first at MOBI Grand Challenge, the largest blockchain hackathon in the world.

ITMO.HACK student club:

- 10+ hackathons,
- 2,000+ participants,
- \$170,000 total prize fund.



2020

ITMO Preaccelerator

500+

sign-ups for the educational program.

190

student teams applied for mentors.

ITMO Accelerator:

- **1,300** applications;
- **150** projects completed the acceleration program;
- **37** projects presented at the Demo Day;
- **60+** projects entered the market after the accelerator;
- **over 10 million rubles** in private investments.

Total funds raised by ITMO Accelerator -

1.3 billion rubles.

National funding:

5 state contracts that amounted to

117 million rubles.

+ Developing spaces
for self-education
and scientific
creativity

ITMO.KIDS:

- **1,200+**
school students
in the center's classes;

- **120+**
implemented formats
and activities.

In 2020, the community
welcomed **2,500** new members.

OLIMP laboratory:

- **3,000+**
active participants;

- **40+**
unique courses
and workshops.

FabLab:

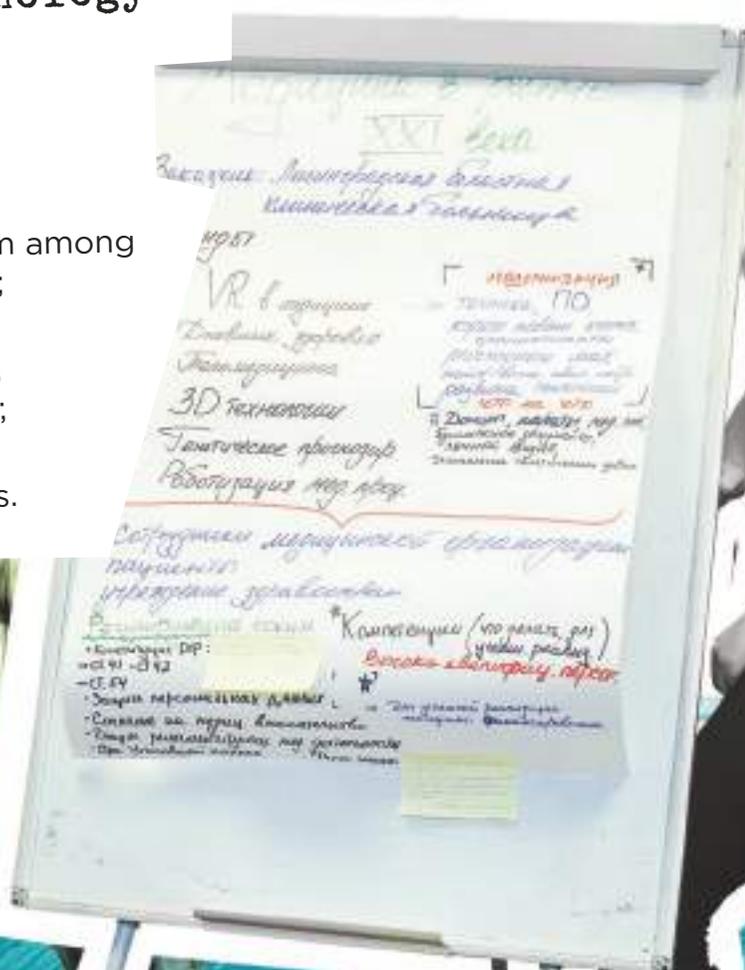
- **1,500+**
users;

- **30+**
implemented
R&D projects.

+ Developing commercial science

School of Technology Brokering:

- 7 rounds
- 230+ participants from among ITMO graduates;
- 15 universities, including from Russian regions;
- 41 companies.



+ Strategic initiatives and collaboration with industrial partners

7 hackathons implemented in collaboration with partners:

- Innopolis University;
- Botan Investment,
- AMZScout,
- Northwestern IT Hub;
- Rosneft.

Total prize fund -

3 million rubles

Number of participants -

700

ITMO Technopark hosted semifinals of the UMNİK regional competition organized by the Foundation for Assistance to Small Innovative Enterprises (St. Petersburg and the Leningrad Oblast).



Corporate accelerator in collaboration with MTS

An online program for developers
of **5G solutions**.

The program was created for tech
entrepreneurs who are residents
of ITMO Accelerator.

Graduates had the chance to join
the MTS 5G Center in Moscow
and compete for a grant to fund
the development of their
own 5G solutions.

Moreover, in collaboration
with its partner ITMO organized
an acceleration summer school
and an international winter
school.





+ New clubs and new opportunities
for students in 2020

ITMO's Energy Club in collaboration
with Gazprom Neft PJSC

A club for students and specialists in power engineering with its own student-driven development concept.

Aim: to bring together talented graduates, students, lecturers, investors, and corporate partners interested in developing and implementing innovations.

Main objective: assist the development of power engineering startups and help ITMO students find new career opportunities.

Xlab space

This is a new space based at ITMO Technopark and aimed at developing students' entrepreneurial skills and creating project prototypes.

The space was created within the South-East Finland - Russia Cross-Border Cooperation Program and the TWIN Campus project.

The new space is equipped with all the tools necessary for developing projects in the field of IT, robotics, and VR/AR technologies. There are 3D printers, quadcopters, action cameras, VR headsets, and Apple desktops.

In the future, the equipment pool will be extended according to students' requests.



+ International partnership
and collaboration programs

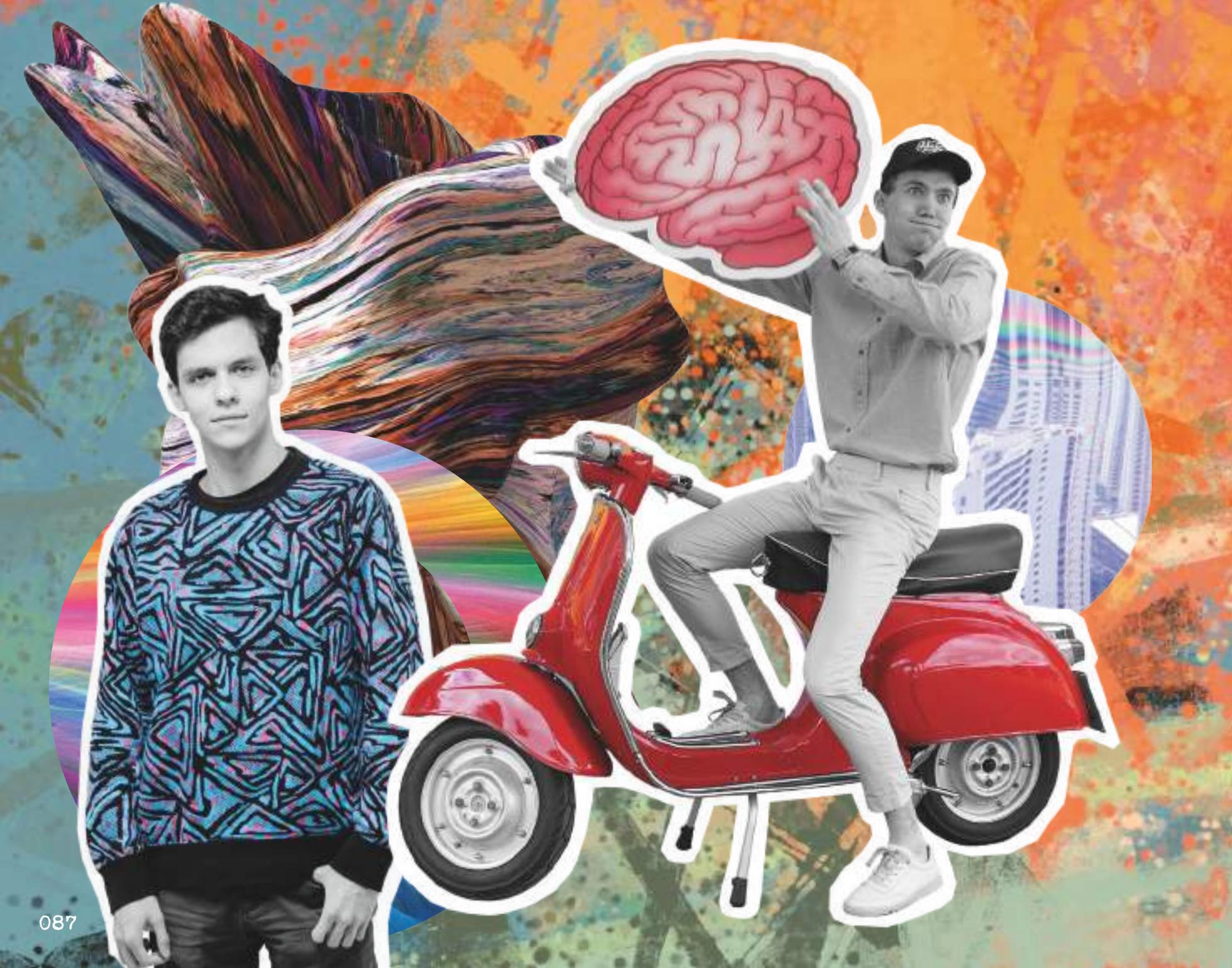
Three key ongoing projects:

- **BRIDGE** (within the Kolarctic program, which brings together organizations from Russia, Finland, Sweden, and Norway);

- **Startup Connect and Twin Campus** (participants: ITMO Technopark, St. Petersburg Technopark, St. Petersburg Foundation for SME Development, South-Eastern Finland University of Applied Sciences, Kotka-Hamina Regional Development Company Cursor Oy).

The BRIDGE project was honored at the Arctic Awards by the Arctic Cooperation organization as the best entrepreneurial project, while Startup Connect won the Good Communication 2020 award.

The AI Factory startup was acquired by Snap Inc. for **\$166 million.**



§ School students, parents,
ITMO students, graduates,
partners, and non-classical
communications

+ ITMO.START

A project aimed at attracting talented school students in grades 1-11, it brings together all pre-university activities on one online platform

start.itmo.ru

Results of 2020:

44,500+ visitors;

3,100+ registered users;

220+ personal consultations;

5,800+ students participated in career guidance
classes for small groups;

190+ activities for school students
organized by ITMO and its
partners.



School contest
of research projects
within Congress
of Young Scientists:

10 research and educational sessions;

118 participants;

scope: **34** cities in Russia
and Belarus.

In 2020, individual students and whole classes became more interested in online activities: **110,000** school students of grades 5-11 from all over Russia took part in ITMO's career guidance events.

+ ITMO.STARS

An entrance competition for students with unique achievements:

14 winners;

184 applications;

87 Russian regions.

Winners and projects



Elizaveta Tishina

Winner of CTF contests and finalist of hackathons and NTI competitions in AI and cyber security.

Yaroslav Abuzov

Developed a software suite for automated operation of a cargo lifting device in various conditions.





Lev Kobelev

Developer of *I hate this game*, a puzzle game published on Steam.

Daniil Kazantsev

Won Google Science Fair and ISEF with his gesture recognition system based on data from muscles' mechanical activity.



Daniil Gumin

Developed xGLabBot, a Telegram bot that builds sonar diagrams for football analytics.



Leonid Goryachev

Reverse-engineered CS:GO and created an application that allows users to download procedural textures from the game's memory space, also adding a preview and render sharing system, as well as a server and API for automation and postprocessing.



Anton Khrustalev

Developed DeltaBionics, a bionic hand prosthesis that's adapted for 3D printing, and entered ISEF finals.



Denis Eremin

Designed and assembled a working prototype for a device for recycling PET plastic into 3D printing filament.



Arina Safonova

Developed a device for monitoring and improvement of children's sleep.





Veronika Elkina

Conducted research on the discovery of promethium (Pm) and published the related article in *Frontiers in Chemistry*, a journal featured in the global top 200 according to Scimago Journal & Country Rank.

Ksenia Novikova

Chemically analyzed the concentration of iron in drinking water before and after the use of filters.



Georgy Kadantsev

Conducted the research project *Subquandles of free quandles* in the field of abstract algebra which is closely connected with knot theory and topology.



Ksenia Pischik

Submitted her creative portfolio as an animation artist.



§ Admissions campaign 2020

The admissions campaign was held online for the first time – students didn't have to come to the university or mail their documents.

+ Bachelor's programs

12,500+ applications for tuition-free positions in Bachelor's and Specialist's programs.

1,100+ students enrolled tuition-free.

Average Unified State Exam (USE) score of applicants accepted to tuition-free positions – **93.1**, that's 0.4 points higher than in 2019.

The competition reached **5.13** applicants per position.

10 students enrolled in target programs from high-tech companies.

Their average USE score is **84.9**.

468 applicants accepted without entrance exams.

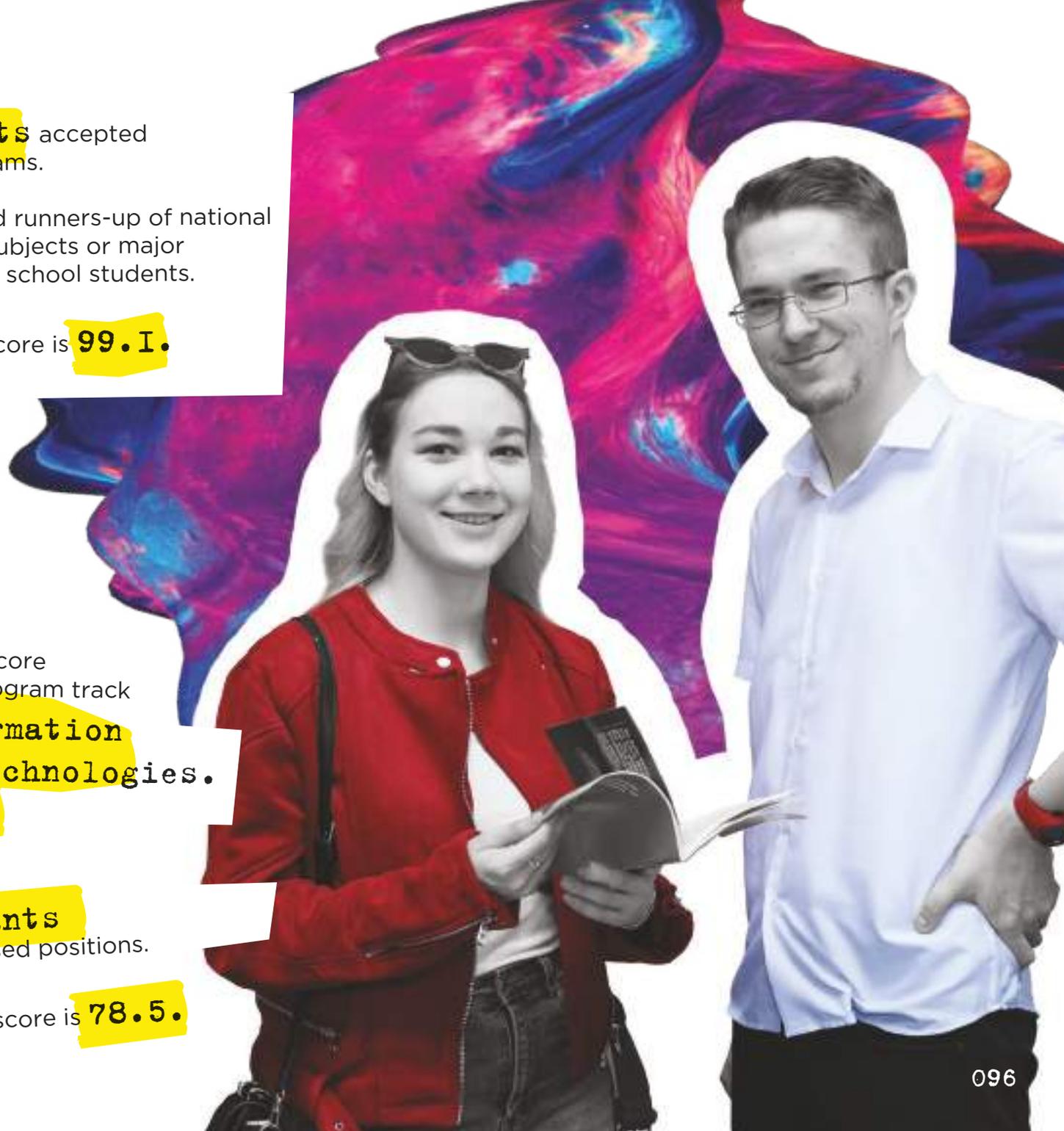
They are winners and runners-up of national contests in various subjects or major competitions among school students.

Their average USE score is **99.1.**

The highest entrance score in 2020 was for the program track **09.03.02 Information Systems and Technologies.**

700+ applicants accepted to fee-based positions.

Their average USE score is **78.5.**





+ Stipends for enrolled students

738 first-year students received enhanced stipends from ITMO University.

234 students received Golden student IDs with stipends of **15,000 rubles**.

312 students received Silver student IDs with stipends of **10,000 rubles**.

192 students received Bronze IDs with stipends of **7,000 rubles**.

435 international applicants.

Among international students enrolled in 2020 are winners of major Russian and international contests for school students, as well as applicants with high USE scores or outstanding results in ITMO University's entrance competitions.



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hiding acorns and chestnuts
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through the
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meeting a
house, its
fiery spikes
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had changed the

+
Master's programs

4,400 applications submitted in total.

Most popular programs among applicants
(3 applications per position):

- Game Development Technologies;
- Urban Planning and Design;
- Innovative Economy and Industry Regulation;
- Web Technologies;
- Digital Transformation of Organizations.

2,667 applicants enrolled into tuition-free positions
(70% are graduates from other universities).

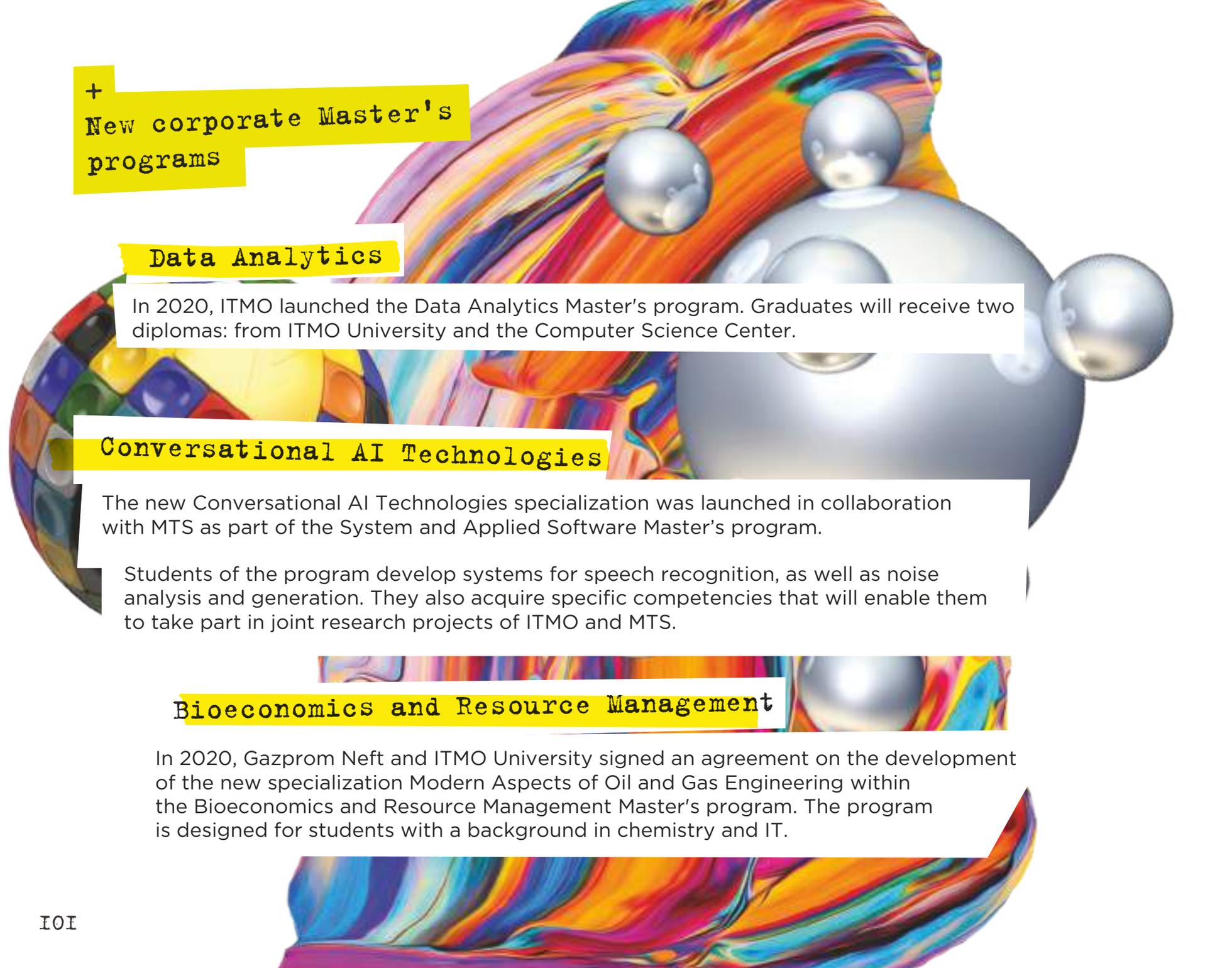
Competition on first priority applications
reached **1.67** (1.5 in 2019).



172 applicants enrolled into fee-based positions.

742 applicants enrolled into ITMO University without entrance examinations. They are winners of the portfolio and presentation contests, winners of the I am a Professional competition, the It's Your Call! winter school, the NTI contest, as well as a whole range of competitions held at ITMO in 2020.

Moreover, **507 international applicants** enrolled into Master's programs, among them winners of various contests and the Open Doors competition.



+
New corporate Master's
programs

Data Analytics

In 2020, ITMO launched the Data Analytics Master's program. Graduates will receive two diplomas: from ITMO University and the Computer Science Center.

Conversational AI Technologies

The new Conversational AI Technologies specialization was launched in collaboration with MTS as part of the System and Applied Software Master's program.

Students of the program develop systems for speech recognition, as well as noise analysis and generation. They also acquire specific competencies that will enable them to take part in joint research projects of ITMO and MTS.

Bioeconomics and Resource Management

In 2020, Gazprom Neft and ITMO University signed an agreement on the development of the new specialization Modern Aspects of Oil and Gas Engineering within the Bioeconomics and Resource Management Master's program. The program is designed for students with a background in chemistry and IT.



+ PhD programs

890 applications.

300 enrolled students,
with 266 - in tuition-free positions.

40 young scientists from Germany, Italy, China, Yemen, Tanzania, and other countries came to ITMO to take part in research projects. Some of them enrolled in state-sponsored positions.

16 students enrolled in fee-based positions.

Average competition —

3 applicants per position.

Popular programs in 2020:

- Industrial Ecology and Biotechnology;
- Physics and Astronomy;
- Computer Science.



+ Launch of the new GreenTech

In late 2020, ITMO University launched the **new Faculty of Energy and Ecotechnology – or GreenTech** for short. It's the result of a deep transformation of the Faculty of Cryogenic Engineering.

The faculty will train engineers for next-gen green enterprises in alternative energy sources, hydrogen technology, ecology, energy efficiency, and much more.

Admission to the green programs will start in 2021.



§ Non-classical communications, projects, and ITMO.FAMILY

+

We celebrated ITMO's 120th anniversary and revisited the university's history

The **I20-ON** project took place throughout 2020 online and offline. To mark the celebration, ITMO.NEWS launched special projects and invited scientists to talk about the past, present, and future of their fields at ITMO.

+ We celebrated the birthday of Codeforces – one of the world's largest competitive programming platforms

The platform was founded by **Mikhail Mirzayanov**, a lecturer from Saratov State University, as a virtual community for those who love solving programming tasks. Today, Mikhail works at ITMO University, the new home of **Codeforces**.





+ Launch of the new Student Services Office, coworking spaces, cool cafeterias, and ITMO.BIBLA

Functionality: spaces where students can get help with documents, paying tuition, enquiries about dormitories or academic backlog. Moreover, here students can discuss their projects, do their homework, unwind between classes, play video games, get a cup of coffee or opt for a full lunch, and more.

New spaces are located at ITMO's main campuses. All of them, apart from cafeterias, are open **24/7**.

+ Digital library environment

- **EBSCO Discovery Service (EDC), Publication Finder** - these databases of research publications, textbooks, and other documents are now available to all users of the digital library;
- an expanded selection of scientometric tools (main InCites package);
- a **LitRes** subscription (fiction and social sciences);
- digital requests for desired literature at **lib.itmo.ru**;
- the opportunity to book meeting rooms with modern multimedia equipment;
- all the latest news in the Telegram channel at **t.me/ITMO_Library**.



Don't panic

+ We went online St. Petersburg-style

We supported and motivated ITMO.FAMILY, St. Petersburg, and the whole world by joining the **STAY HOME** campaign with a series of special self-isolation cards at a time when **everyone had to** stay home due to the pandemic. In the cards, St. Petersburg's landmarks - the Bronze Horseman, the sphinxes, the titans, and others - went online.

Moreover, we brought in **DONTPANICATS** and created a special Telegram sticker pack

t.me/addstickers/dontpanicats





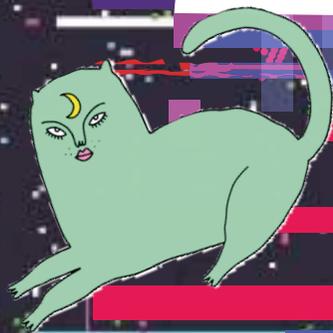
+
We remembered it all.
Well, more or less, —
with a special issue
of ITMO.DIGEST

The digest created by ITMO's PR department and ITMO.NEWS
was seen by **600+ users.**

It included the most popular articles published on ITMO.NEWS
in 2020.

You can find it at: **digest.itmo.ru**

EASY



+ You are a digital native.
We are, too

We hacked our admissions system and took the Admissions Office online.

We presented our own digital manifesto for the generation that measures experience in terabytes and only needs access to the internet to change the world.

1.6 million views on all platforms.

Total reach of the campaign - **9.5 million people.**
That's a record among ITMO's admissions campaigns!

The project received **6** PR awards,
including:

- Grand Prix of the National PR Award Silver Archer;
- top award at SABRE Awards EMEA;
- two awards at IPRA Golden World Awards.



+ ITMO. ENTER

Two weeks of full immersion into the student life, livestreams, team building, challenges - all you need to know about ITMO and everything you forgot to ask about.

Access point - the Instagram page [@itmo_enter](#)

14,000+ followers.

20,000+ likes.

Format: online.



+ Quantum Potential



We had the chance to come together and make some great jokes twice. Yes, we officially could do that in early spring and autumn of 2020.

Format: offline. Builds 6.0 and 7.0.

600+ fans of science and standup.
Two full houses at the Kosmonavt club!

Hot topics:

- What does it take to upgrade St. Pete?
- How to survive in Australia on \$100;
- How come sapphires and bacon have the same quality standards? - and more.



+ ITMO in the media

A special project with Zhiza online magazine: 10 stupid questions to a theoretical physicist.

141,000 views on YouTube.

19,000 mentions in international, federal, and regional news outlets.

In 2020, ITMO University got into the **top 20** of the Media Index of Russian universities.

The most discussed event of 2020 - the meeting of ITMO's Academic Council in ITMO Highpark:

Media Index - **1,000+**; reach - **8.6 million** users;
65+ publications

- according to data from the mass media monitoring and analysis company Medialogia.

+

ITMO.RESEARCH

ITMO's first scientific podcast.

The topics range from physics to business.

Main aim - to bring together curious people and professionals.

Format: live chats with ITMO faculty and researchers who introduce their research topics and provide in-depth discussion of issues specific to their field.

Episodes are released monthly on Habr and are available on Apple Podcasts and Yandex Music.

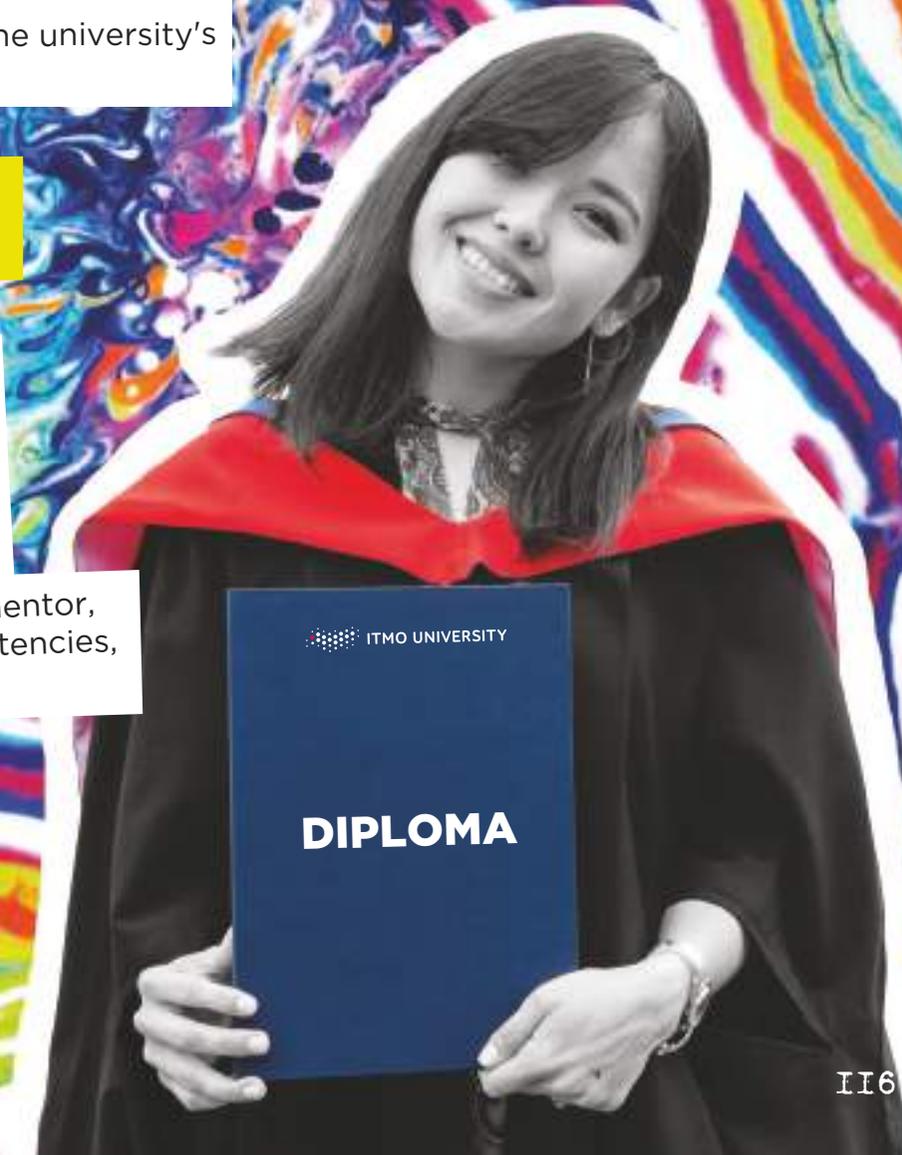


§ ITMO.FAMILY graduates

ITMO graduates are an important part of ITMO.FAMILY and are the best indicators of the university's success.

+ Programs for graduates:

- **ITMO alumni personal profile:** your pass to the university, access to cool events, educational programs, bonuses, and offers;
- **mentors:** an opportunity to become a mentor, share your experience, develop new competencies, tell ITMO students about yourself, your job, or business;
- **ambassadors:** an opportunity to represent the university abroad.



+ Achievements of our graduates



Vadim Rybin

Vadim won the national competition of these called **Be First** in the Physics and Astronomy category. Among the competition's experts are well-known Russian scientists, professors of leading Russian universities, and specialists in the related fields.

He also founded the **It's a trap** student club, whose members study ion traps.

Ilya Chekh

Ilya is the founder and CEO of Motorica, a company that develops bionic arm prostheses for 1,000+ users annually and is getting ready to enter the Asian market.

He was named **Russian Entrepreneur of the Year** by the international audit and consulting company Ernst & Young (EY).

Laureate

of the Top 50 Famous People in St. Petersburg award from Sobaka.ru Magazine.





Daniel Galper

Daniel is the founder and CEO of **Grow Food**, a meal delivery service that helps people maintain a healthy diet with a specially developed meal plan.

Maria Plotkina

Maria is the founder of **Geek Teachers**, an educational startup that offers online courses and edutainment festivals in order to help teachers use information technologies in class and stay motivated in their work.

In 2020, Maria won the Young Female Entrepreneur of the Year award and received \$5,000 to develop her project on teaching educators to use IT



Greg Tkachenko

Greg is the co-founder of the **AI Factory** startup and a manager at **Snap**.

The startup's team developed, among other things, Snapchat's Cameo feature, which turns selfies into short videos with special effects and stickers.

The American company Snap, the owner of Snapchat, acquired AI Factory for \$166 million. In 2020, Greg was nominated for the Russian Forbes' 30 Under 30 list.

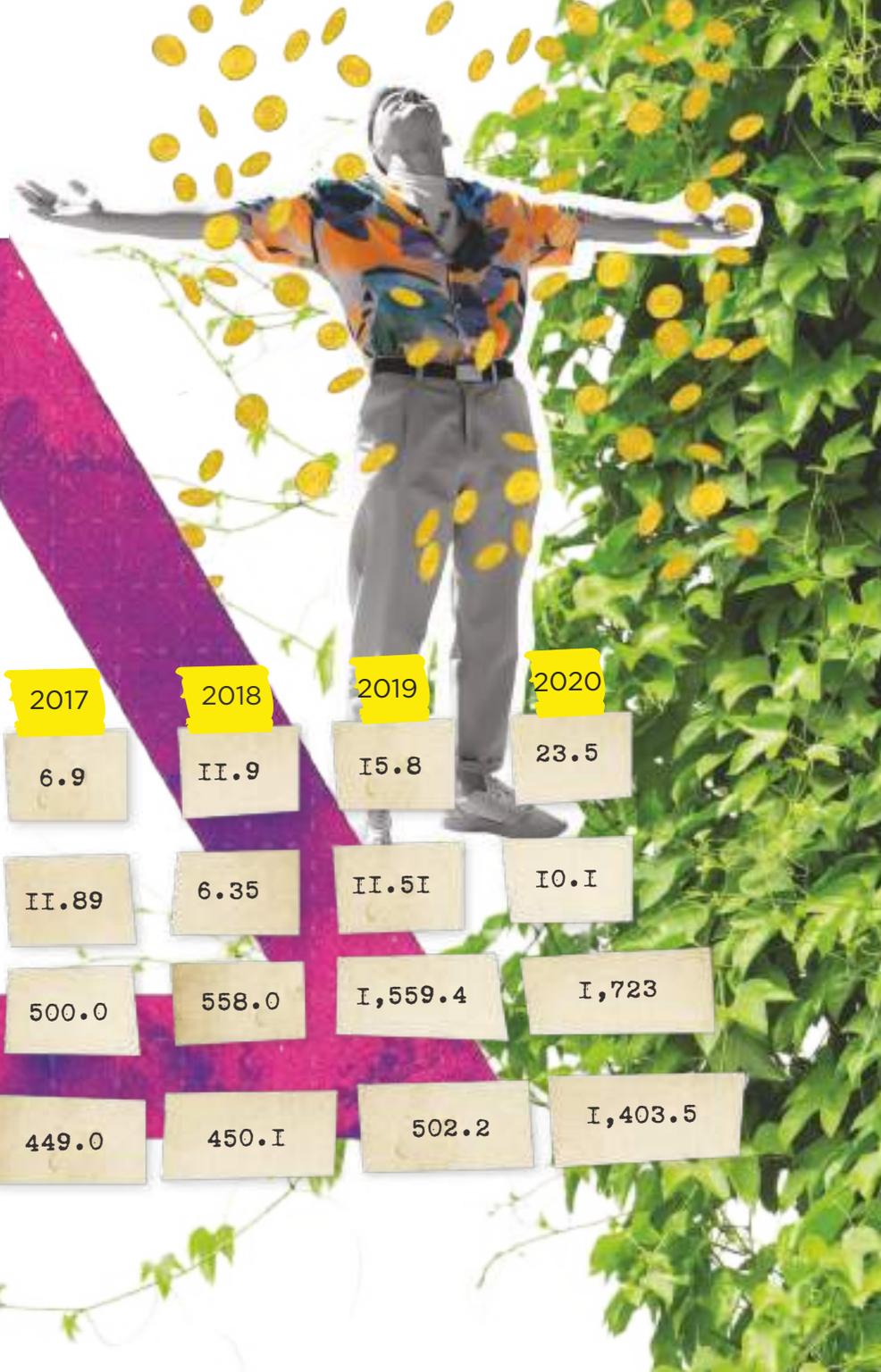


§ ITMO.FAMILY FUND

ITMO University's own endowment fund.

Founder: ITMO Alumni association.

Managing company:
Gazprombank Asset Management.



ITMO.FAMILY Fund through the years

	2016	2017	2018	2019	2020
Fund's assets, in millions of rubles	3.2	6.9	11.9	15.8	23.5
Fund's profitability, in % annual	10.04	11.89	6.35	11.51	10.1
Fund's profitability, in thousands of rubles	300.0	500.0	558.0	1,559.4	1,723
Donations towards the university's activities, in thousands of rubles	0	449.0	450.1	502.2	1,403.5

§ ITMO.STORE

We launched the new webpage store.itmo.ru:

- a new domain name;
- online payments;
- shipping all over Russia.

New **24/7** hotline available at:
8 800 444-28-92.

A **50%** increase in product range.

A new collection of sweatshirts
for children from 1 to 9 years old.

Collabs 2020:

- DH Center,
- Art&Science,
- Infochemistry,
- St.Friday Socks,

Special offers:

- personalized prints for new students;
- Black Friday;
- ITMO.GO!;
- New Year's calendar.



§ ITMO.STUDENTS

ITMO.STUDENTS is a way for students to implement and develop their creative, sports, and social initiatives.

75 student clubs.

2,549 members of student clubs.

300 events in the academic year.

+ Achievements 2020

A win in the grant contest by the Federal Agency for Youth Affairs (Rosmolodezh) at the meeting of the National League of Student Clubs.

A win in the soft skills championship within the **Territory of Senses forum.**

ITMO became a laureate in the category *Developing a student club system* of the national monitoring competition *Practices of organizing educational activities with students of higher education institutions.*

The total funding for student clubs through the ITMO.STUDENTS grant contest amounted to **1.9 million rubles.**

§ Creativity and projects

+ Megabattle

A battle between ITMO's Schools in creativity, sports, research, and achievements in the intellectual and social fields:

800+ participants, **17** events.

+ ITMO.LevelUP project

Online activities to support students in self-isolation during the pandemic:

4 weeks of cool online activities;

500+ participants;

60,000+ views on social media.



+ Laughter League

ITMO's comedy team TT took part in the TV project Liga Smekha (Laughter League) on the STS channel.

+ This Holidays project

Reach: **1,500** people.

Formats: livestreams from student clubs, student talks, digests, and quizzes.

The project helped student clubs take their events online.

§ KronBars sports club

5,000+ members.

50 sports.

80 sports clubs.

90 events.

100 managers.

80 coaches.

+ KRONBARS GAMES

A sports and athletics contest
between ITMO Schools:

4 seasons,

80 events,

5,000+ participants.



+

Achievements 2020:

ITMO's KronBars student sports club was named best Russian student sports club for the fourth year in a row by the Association of Student Sports Clubs of Russia (ASSC).

The club also won in other categories:

- Best marketing – **1st place;**
- Best media management – **1st place;**
- Best qualifying tournament of the ASSC championship – **1st place;**
- Best organization of the ASSC championship 2019-2020 – **2nd place;**
- Best student sports marketing specialist (Dmitry Rusanov) – **1st place;**
- Best media manager (Angelina Shulyakovskaya) – **2nd place.**

The club was shortlisted for the professional sports marketing award **MarSpo Awards 2020** in the category Best anti-crisis solution in sports marketing.

New "place of power" launched – the **KronBars Space coworking.**





Megabyte media group

5 years of Megabyte:

- 30 international awards;
- participant and winner of 47 national and 22 regional contests and festivals;
- 134 issues of the Megabyte newspaper;
- 20+ issues of the NewTone magazine;
- hosted a national journalism hackathon;
- 4 media forums;
- 10 themed online projects on Megabyte radio.



The media group founded the seasonal school of journalism **MBSchool** (held twice a year) for students of ITMO and other universities. There are courses in:

- print and online media;
- radio;
- photo and video content;
- sound engineering.

The national prize "For Commitment to Science."

Best YouTube channel on science at the media forum of student and youth media Eurasia Space.

Special prize from the Governor of St. Petersburg within the Government of St. Petersburg award in the field of journalism.

National award for talented youth in the field of media.

+ Achievements 2020



§ Volunteering, social projects, and initiatives

693 volunteers.

200 donors
(**3** people included
in the bone marrow
donors registry).

130 events, including
online.

29 visits to animal shelters.

375 kg of feed and treats collected for homeless
animals, **201 liters** of cat box filler,
as well as drugs and toys.

50 kg of clothes recycled.

The launch of digital volunteer club
to help lecturers adjust to remote
learning.



+ Achievements 2020

In 2020, the Ministry of Science and Higher Education named **ITMO's Volunteer Center** the best volunteer center in a higher education organization in Russia.

ITMO PhD student **Rodrigo Lopez** won the Russian Volunteer 2020 award in the category Act of Kindness – Helping Medical Workers.

15 students and 3 staff members from ITMO University were awarded the Presidential Medal for contribution to the national initiative **#WeAreTogether.**



§ Brand projects

+ ITMO.FUTURE

A platform for the implementation of university-wide development initiatives.

The project ran in four stages from July 1 to December 10, 2020.

96 initiatives.

5,800 participants in the open vote.

24 initiatives selected.

21 initiatives implemented.



+ ITMOLNIA: eco-friendly commutes

A cool modern way to travel between ITMO's campuses for university staff and students.

Reach – **2,118** people.

7,981 rides in total in 2020.

6 campuses linked to the service.



+ ITMO.LiVE digital graduation event

6 hours of interactive online activities on VK and Zoom.

138,000 views of the event's livestream.

2,000 presents for graduates.

+

INTRODUCTION DAYS

A four-day orientation for new members of ITMO.FAMILY – first-year Bachelor's and Master's students.

An introduction to the university's environment: opportunities, infrastructure, services, tools, and platforms for self-development and growth.

2,650+ participants.

Final day - the welcoming ceremony **ITMO.GO!**

Three spaces for contests, TikTok challenges, and creating top photo and video content.



+ Bike Ride With the Rector

The traditional annual project for all members of ITMO.FAMILY organized by KronBars:

800+ participants;

breathtaking views of St. Petersburg with ITMO's vibe;

a unique route.







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NEXT YEAR



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