

IT's *MO*re than a UNIVERSITY



ITMO UNIVERSITY >>> TODAY

2021

Lifestyle

Innovation

Science
and technology

Creative
freedom

Talents



Growth

ITMO

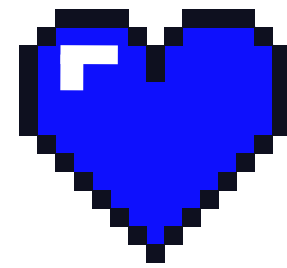
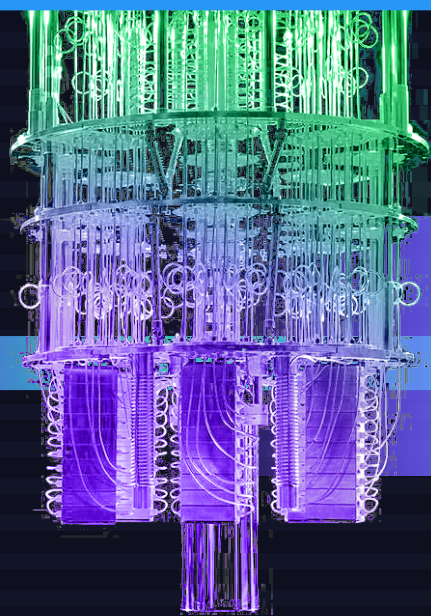
Great community

International
opportunities

Wellbeing

More than IT: photonics
and quantum technologies,
life and health sciences

Multilingual environment



Our mission

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

Our philosophy

IT's MOre than a UNIVERSITY



ITMO IN NUMBERS

ITMO *More than a* UNIVERSITY

960+

PhD students

1,324

faculty members

7,383

Bachelor's
students

2,920

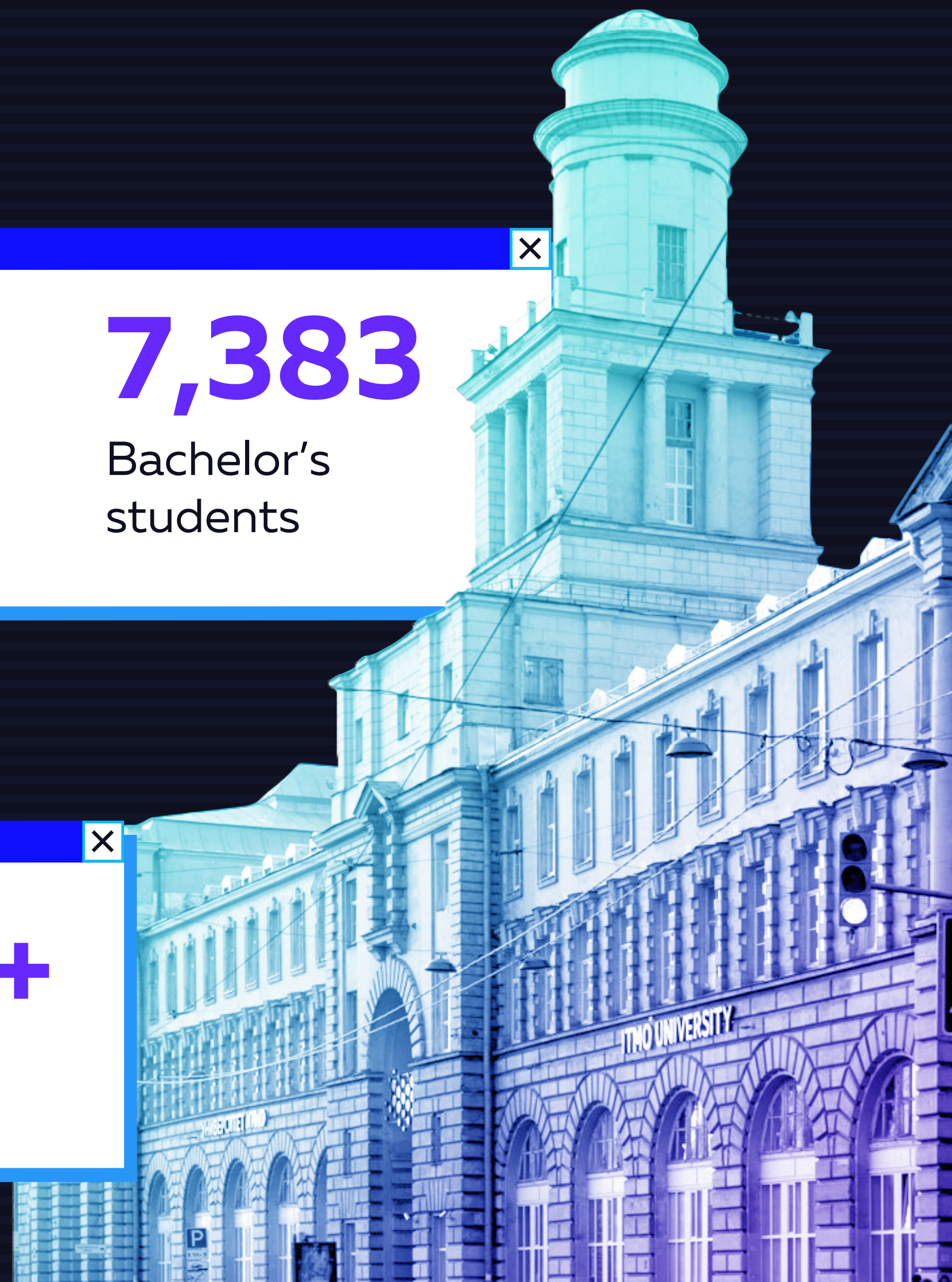
international
students from
110 countries

6,060

Master's
students

13,400+

students



ITMO IN RANKINGS

ITMO *More than a* UNIVERSITY



45
in THE Emerging Economies
Regional University Rankings

101-125
in THE subject ranking
in Computer Science



74th
201-250
1st in Russia

in QS subject ranking in
Computer Science
& Information Systems

in QS subject ranking
in Electrical and Electronic
Engineering

256th
in QS broad subject ranking
in Natural Sciences



270
in the Three
University
Missions ranking

Forbes

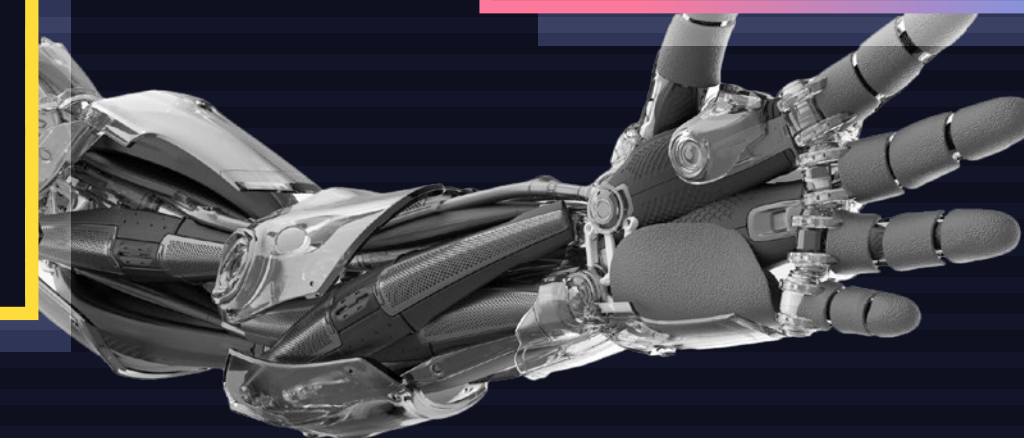
6th
in the Forbes
ranking of Russian
universities



365
in QS World
University
Rankings

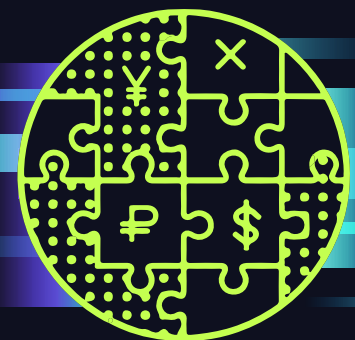


76-100
in ARWU subject
ranking in Automation
& Control



FIELDS OF STUDY

IT₃MORE than a UNIVERSITY



SCHOOL OF TRANSLATIONAL INFORMATION TECHNOLOGIES

▼

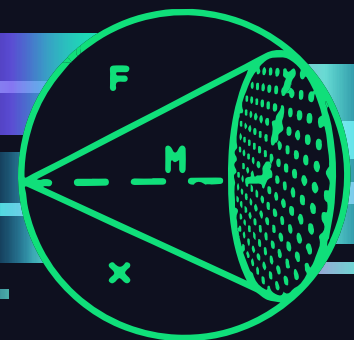
- Artificial intelligence
- Machine learning
- Big Data
- Bioinformatics
- Digital transformation
- Translational medicine
- Urban studies
- Internet of Things
- Lighting design



SCHOOL OF COMPUTER TECHNOLOGIES AND CONTROL

▼

- Mechatronics and robotics
- Cyberphysical systems
- Digital navigation and control
- Computer graphics and design
- Unmanned aerial vehicles
- Infochemistry



SCHOOL OF PHYSICS AND ENGINEERING

▼

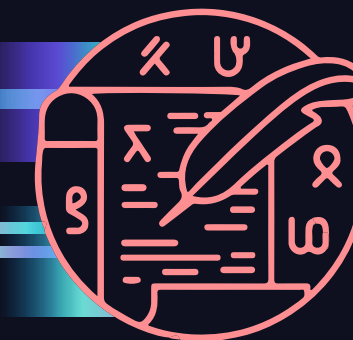
- Laser optics and technologies
- Radiophysics
- Light technologies and optoelectronics
- Nanoelectronics
- Quantum technologies
- Metamaterials
- Bioengineering



SCHOOL OF BIOTECHNOLOGY AND CRYOGENIC SYSTEMS

▼

- Cryogenics
- Biotechnologies
- Environmental protection
- Solution chemistry of advanced materials and technologies
- Chemistry and molecular biology



FACULTY OF TECHNOLOGICAL MANAGEMENT AND INNOVATIONS

▼

- ICT
- Life sciences
- Foodtech
- Cleantech
- Transportation
- Creative industries
- Printed electronics
- Digital transformation
- Innovative marketing
- Quality control and industry regulation
- Intellectual property
- Venture investments



INSTITUTE OF INTERNATIONAL DEVELOPMENT AND PARTNERSHIP

▼

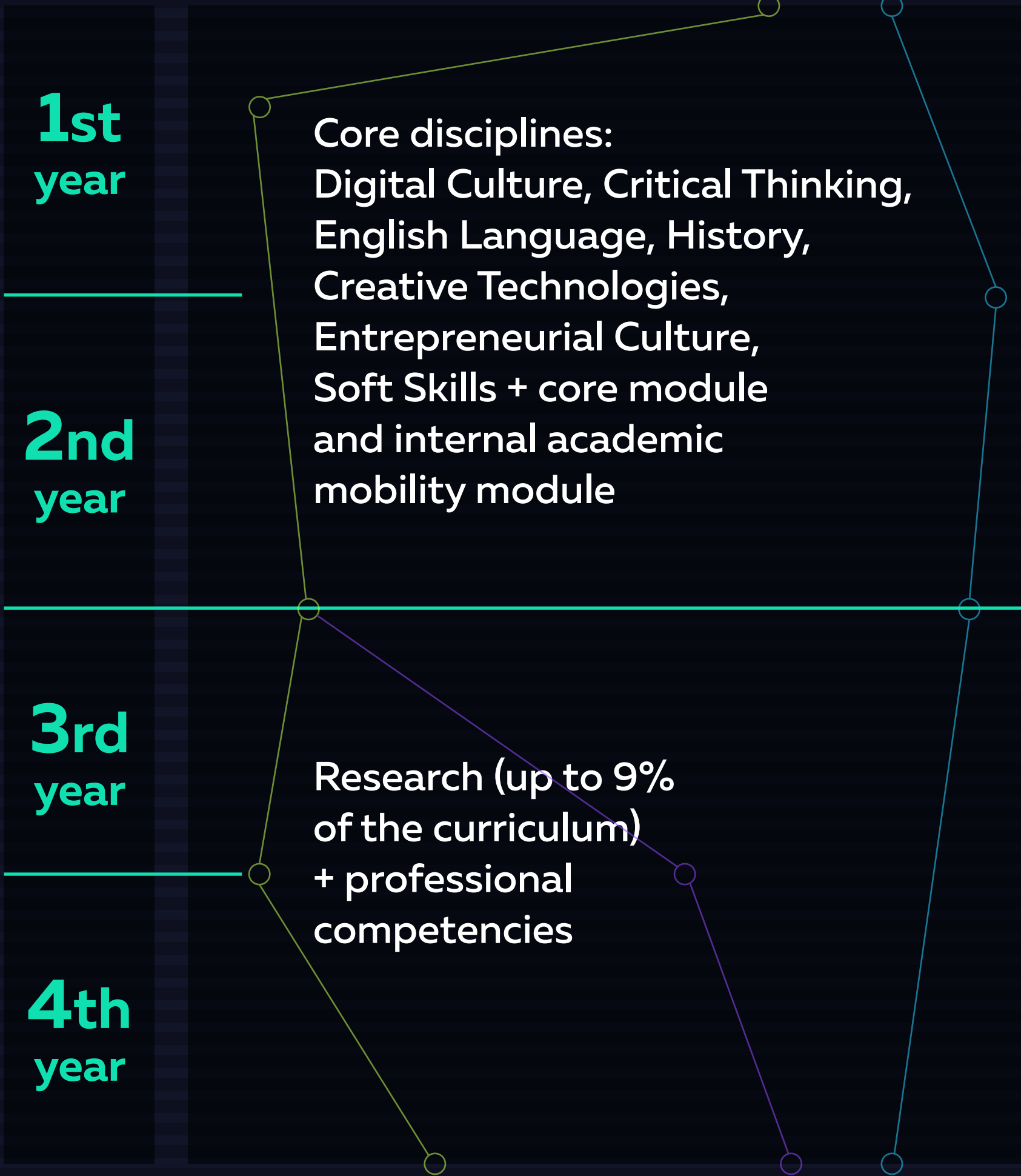
- Humanities and IT
- Art & science
- Science communication
- Data, culture and visualization

EDUCATIONAL MODEL

IT₃MOre than a UNIVERSITY

BACHELOR'S PROGRAMS

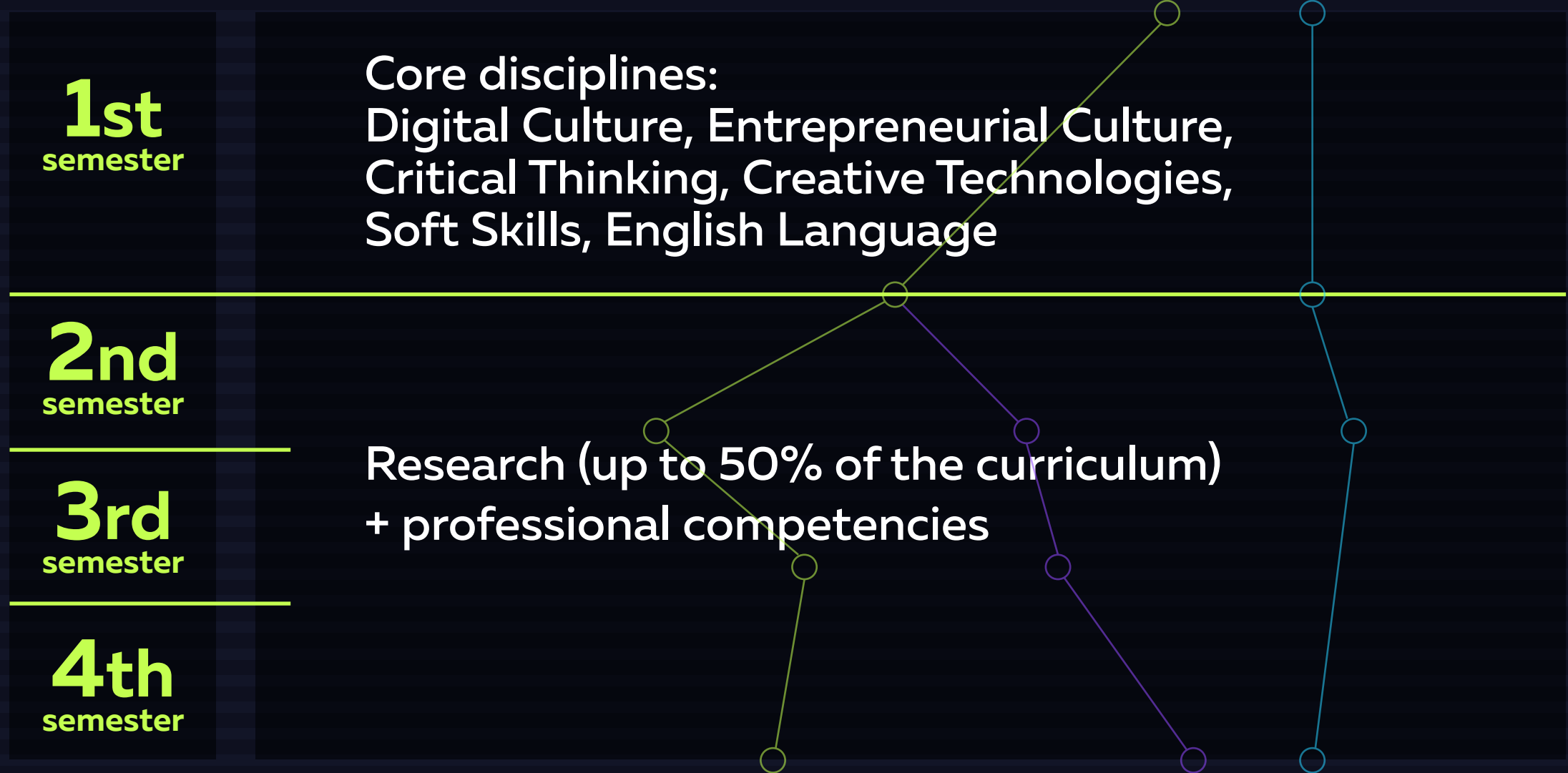
Individual
educational
tracks



MASTER'S PROGRAMS



Individual
educational
tracks



PHD PROGRAMS

4 years

Academic
disciplines
+ research

Opportunities
for development

Practical learning

Human-digital
balance

Fundamentals
of the 21st century

Interdisciplinarity

Professional skills

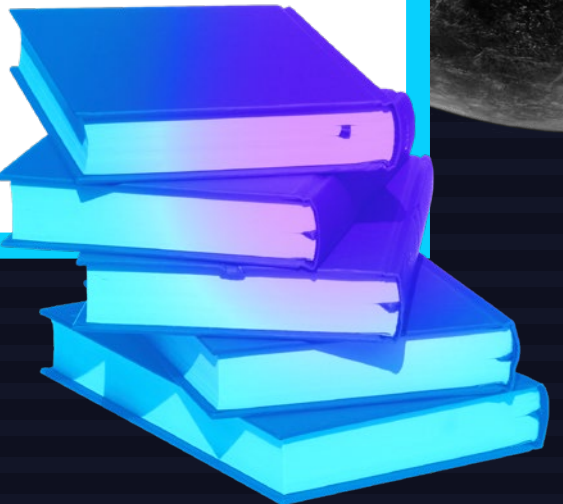

Soft skills

Social responsibility




TALENT SEARCH SYSTEM

ITMO *More than a* UNIVERSITY




ITMO.START:
a career guidance
system for school
students

ITMO Fellowship
and Professorship
Program




Semester
exchange




Open call for the creation
of international research
laboratories

ITMO.STARS:
an entrance competition
for talented students



International
entrance
competitions



Summer
schools

TOP-PRIORITY RESEARCH FIELDS

IT₃MOre than a UNIVERSITY

IT, AI, Information
Security

Robotics
and Control
Systems

Life Sciences
and Biochemistry

Arts & Sciences

Natural Sciences
and New Materials

Photonics
and Quantum
Communication

INTERNATIONALIZATION OF RESEARCH

ITMO *re than a* UNIVERSITY

13

international
research centers

Russian and international scientists,
graduate and postgraduate
students, postdoc researchers

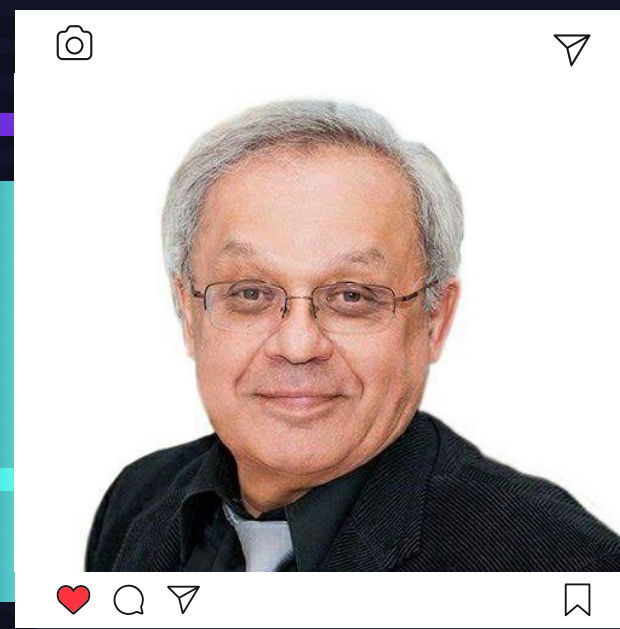


World-renowned
specialists

Heads of ITMO University's international research centers



Peter
Sloot



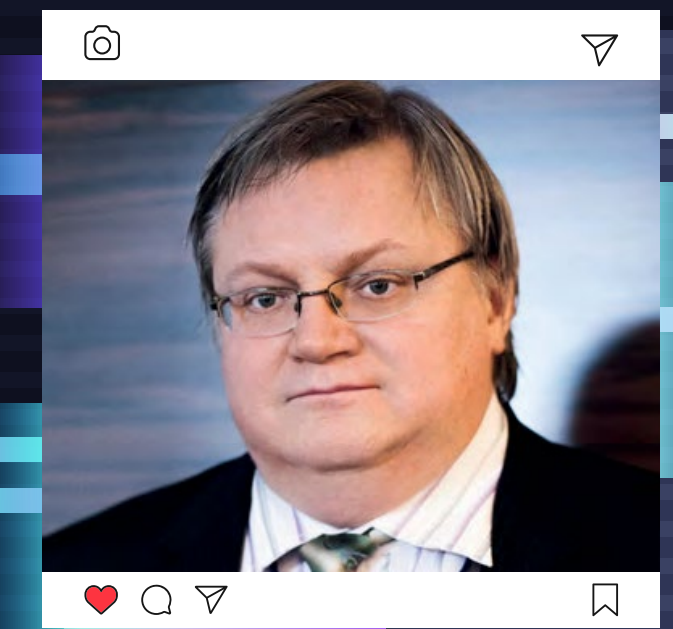
Anvar
Zakhidov



Romeo
Ortega



Stefano
Stramigioli



Yuri
Kivshar

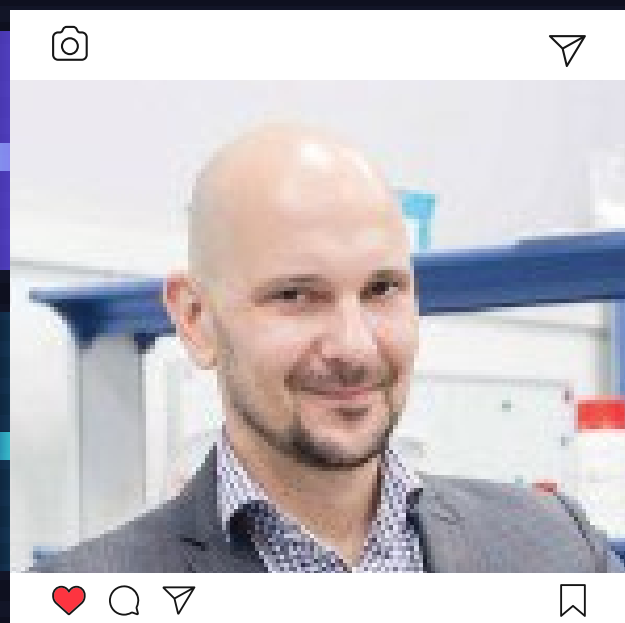
ITMO FELLOWSHIP AND PROFESSORSHIP PROGRAM

ITMO *re* than a UNIVERSITY

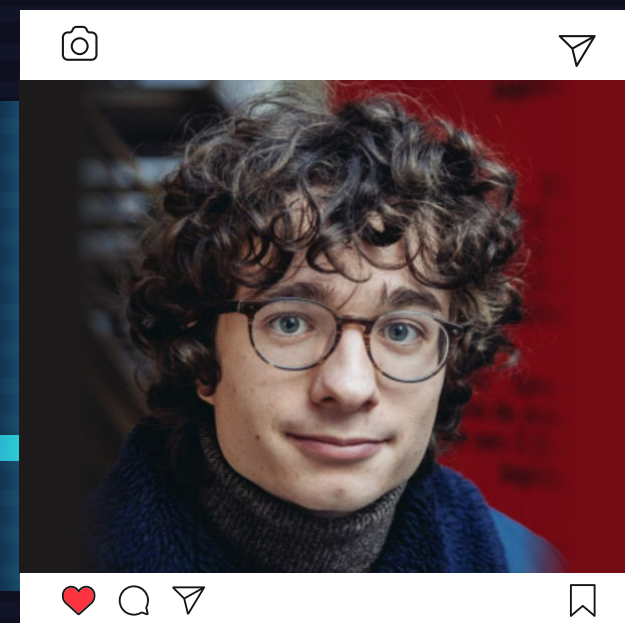
>400
applications
per year

6
application review
periods per year

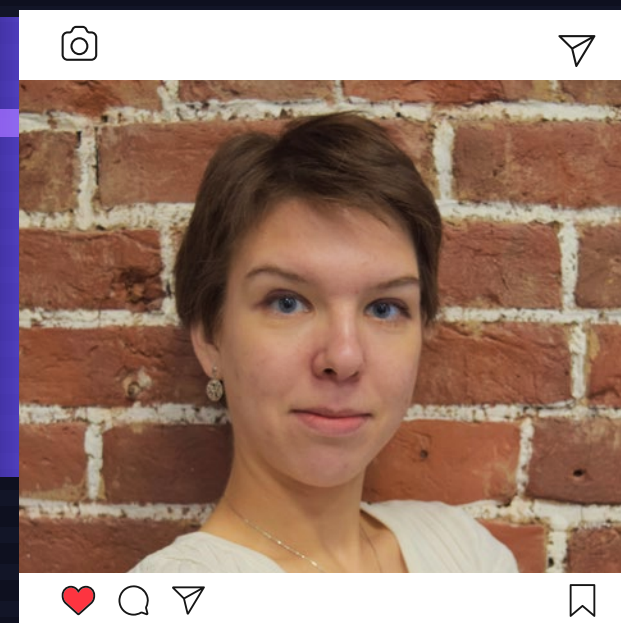
54
winners
in 2020



Evgeny
Pidko



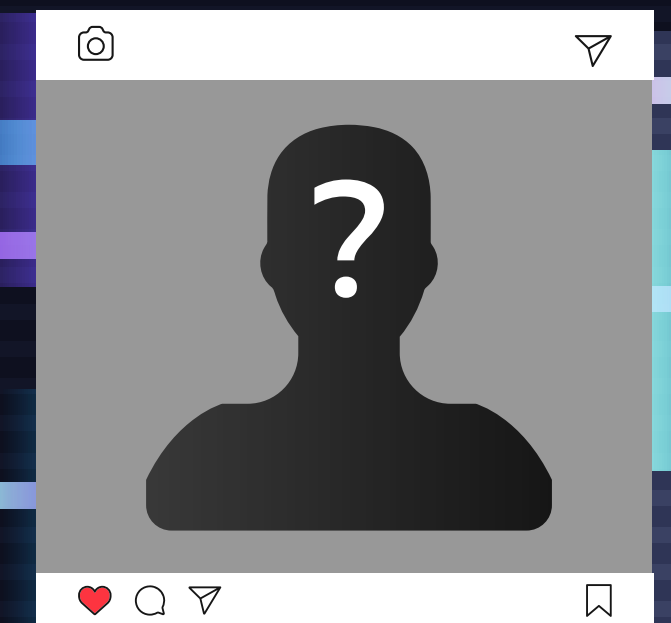
Daniel
Saporì



Marina
Dukhinova



Alexandre
Nominé



Our next
hero

INTERNATIONAL OPPORTUNITIES: INCOMING AND OUTGOING ACADEMIC MOBILITY

IT'S *MOre* than a UNIVERSITY

Internships

Conferences

Summer schools

Semester
exchange

International
educational
programs

Study Abroad at Home

Buddy System



170+
partner
universities

10%
of all students
participate in outgoing
academic mobility
programs

22%
share of international
students in 2020

ITMO UNIVERSITY IN NATIONAL PROJECTS

ITMO *More than a* UNIVERSITY

NATIONAL TECHNOLOGY INITIATIVE: CENTER FOR COGNITIVE RESEARCH

Our contribution to the creation of a national ecosystem of machine learning and cognitive technologies R&D necessary for the development of high-tech products and services for the digital economy.

Partners:



NATIONAL CENTER FOR QUANTUM INTERNET

Tasked with developing and implementing the Quantum Communication Platform – a digital hardware-software platform solution that will be tested on a pilot stretch of the upcoming high-level quantum network between Moscow and St. Petersburg.

Partner:



Russian Railways

DIGITAL UNIVERSITY

Facilitating the digital transformation of Russian universities and providing conditions for the training of future digital economy experts.

ITMO University boasts one of Russia's top innovation infrastructures

\$170+
million
in investments

2000+
applications submitted
to ITMO Accelerator

10+
hackathons
with a total prize pool
of 13.5 million rubles

60
startups

30+
international research
projects with a total
value of over 157
million rubles

54+
million rubles
in investments
raised by Technopark
residents

Joint acceleration program with MTS
for the development of 5G-based projects

Energy Club – a student club founded
in partnership with Gazprom Neft

11 hackathons in collaboration with top brands:
Innopolis, Gazprom Neft, Wärtsilä Digital
Technologies, AMZScout

More than 30 MVPs* produced by startups
in residence at the FabLab

ITMO is the first Russian university to host the international
Hult Prize competition in social entrepreneurship

Three international entrepreneurial projects:
BRIDGE, Startup Connect, and Twin Campus

Three international summer and winter startup
schools held in 2020

*Minimum viable product

OUR ACHIEVEMENTS

ITMO *re than a* UNIVERSITY



x7

2004

2008

2009

2012

2013

2015

2017

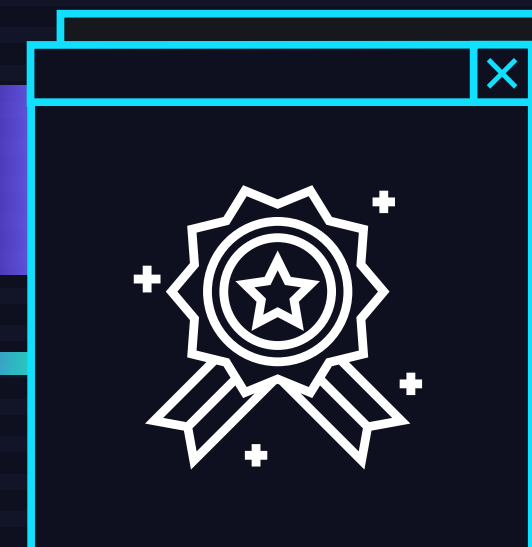
**We are the world's only
seven-time winners
of ICPC!**



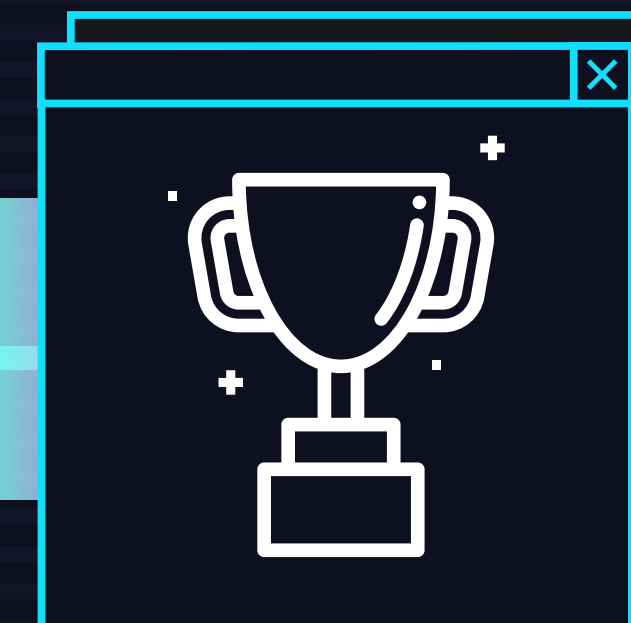
Google Code Jam,
Facebook
Hacker Cup,
Yandex.Algorithm



Several ITMO
scientists are recipients
of the Presidential
Award for Young
Scientists



Recipient of two awards
from the Russian branch
of Academia Europea



ITMO students
are winners of
VolgaCTF Final 2020
and MagNet 2021

ITMO REPRESENTATIVE OFFICES

ITMO *More than a* UNIVERSITY



Brussels, Belgium

Strengthening ties with European research and educational organizations

First ITMO representative overseas office, established in 2014.



Arezzo, Italy

Taking breakthrough research to the production lines and improving student employability. Joint office with Diakont, established in 2015.

ITMO HIGH PARK

A sophisticated world-class science, education, and innovation center under the aegis of ITMO University

ITMO HIGH
PARK

Student club

Student housing

Sports facilities

Bike-friendly park

Research clusters

Museum of Art, Science,
and Technology

Main building with a conference hall
and classrooms

Open roof with sports areas
and a 360-meter athletic track

Academic buildings

Technopark and business incubator

Innovative
Production Center

Food court

ITMO Highpark: target figures

3,000

Master's
students

600

PhD students

6,000

members of supporting
and service staff

6,000

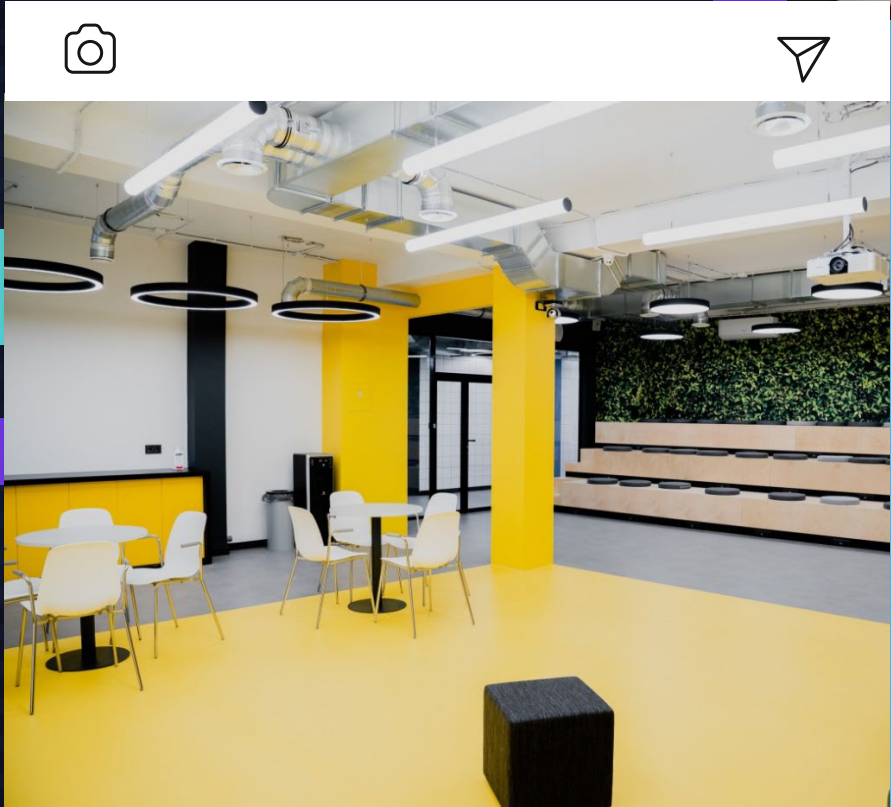
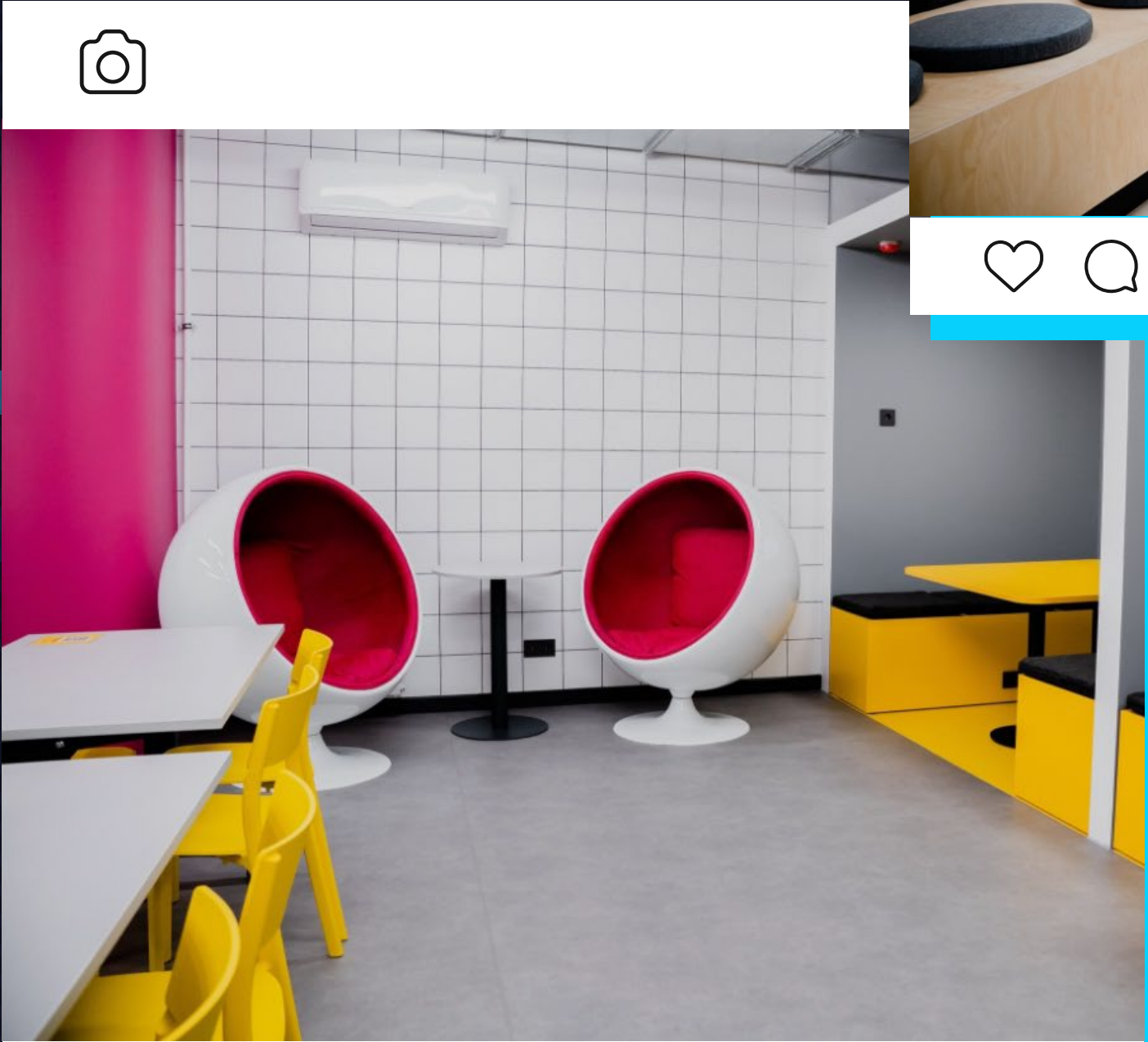
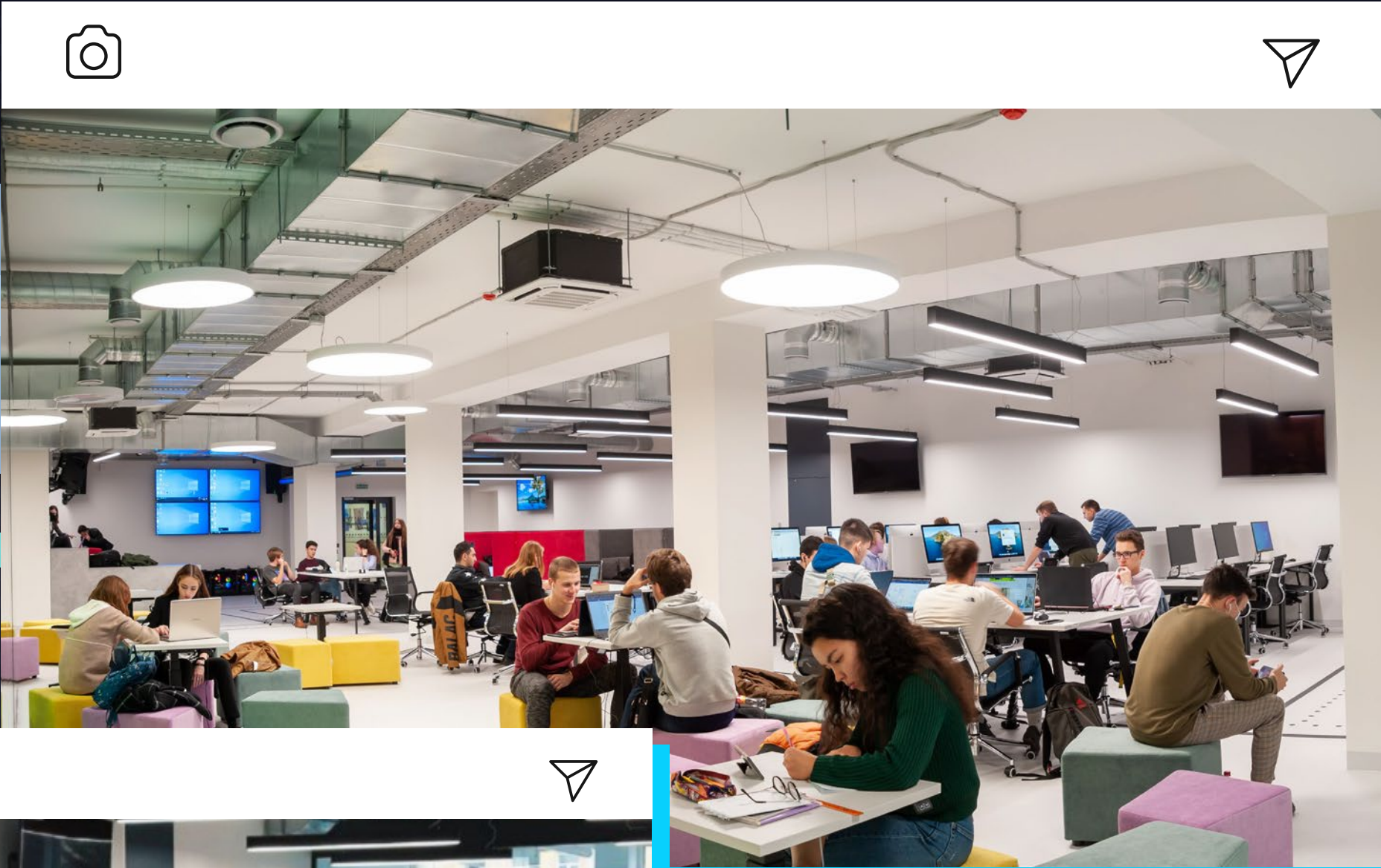
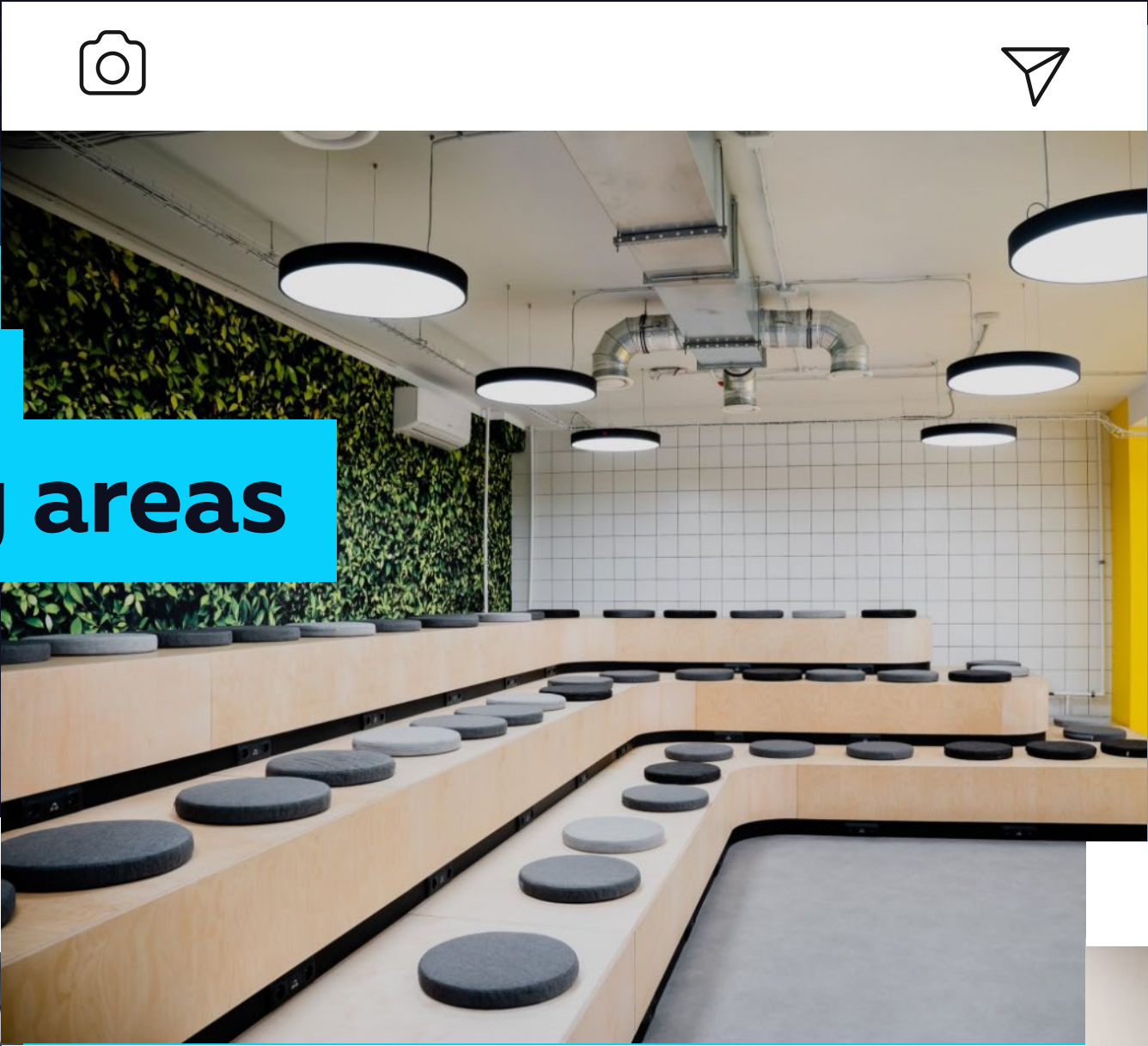
jobs for highly-qualified staff, including student employees

ITMO.FAMILY: AN ENVIRONMENT FOR GROWTH

ITMOre than a UNIVERSITY



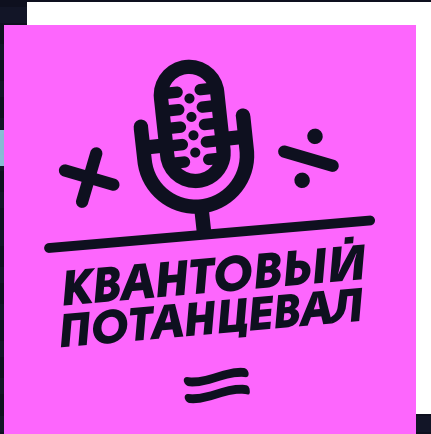
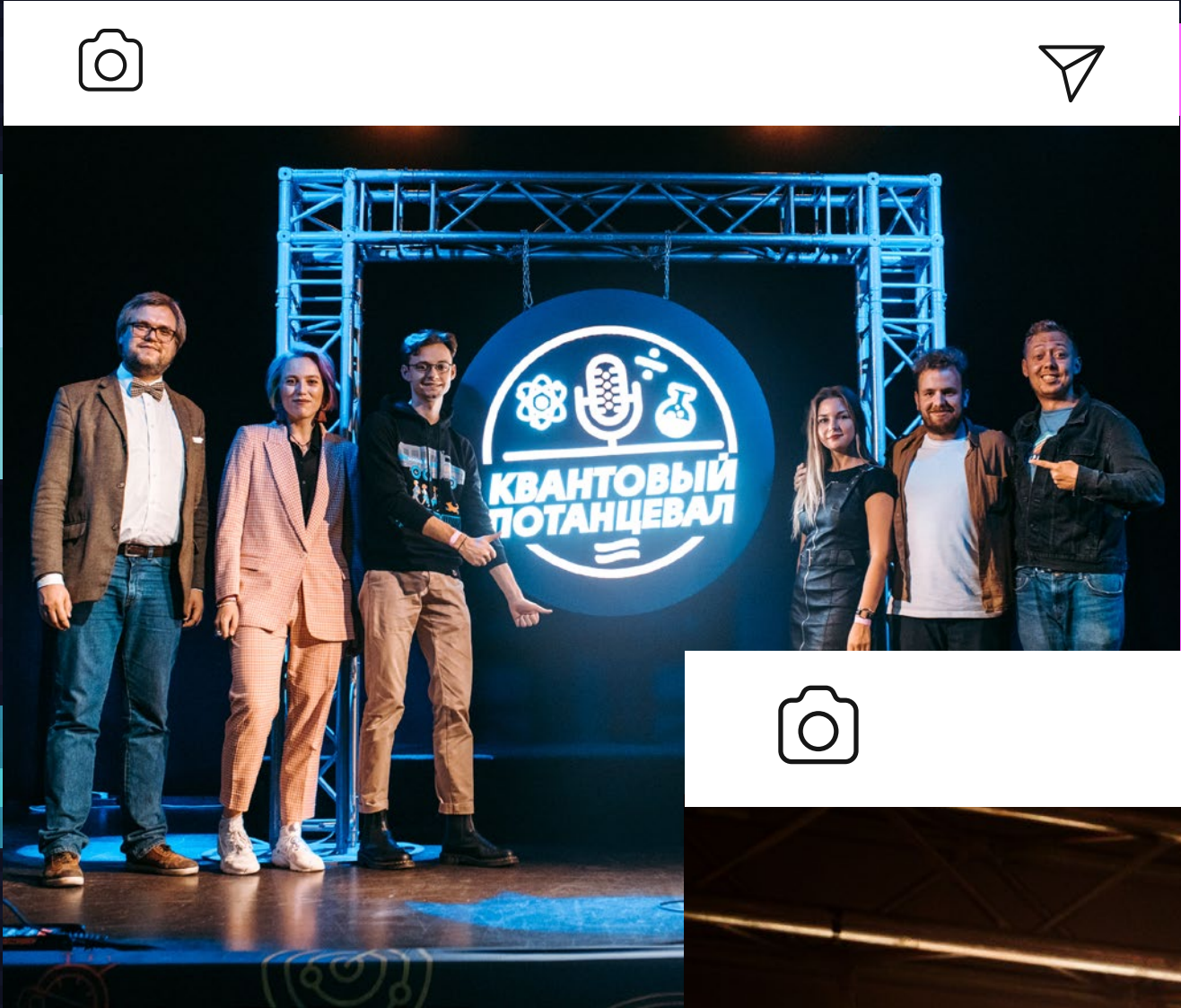
Free 24/7
coworking areas



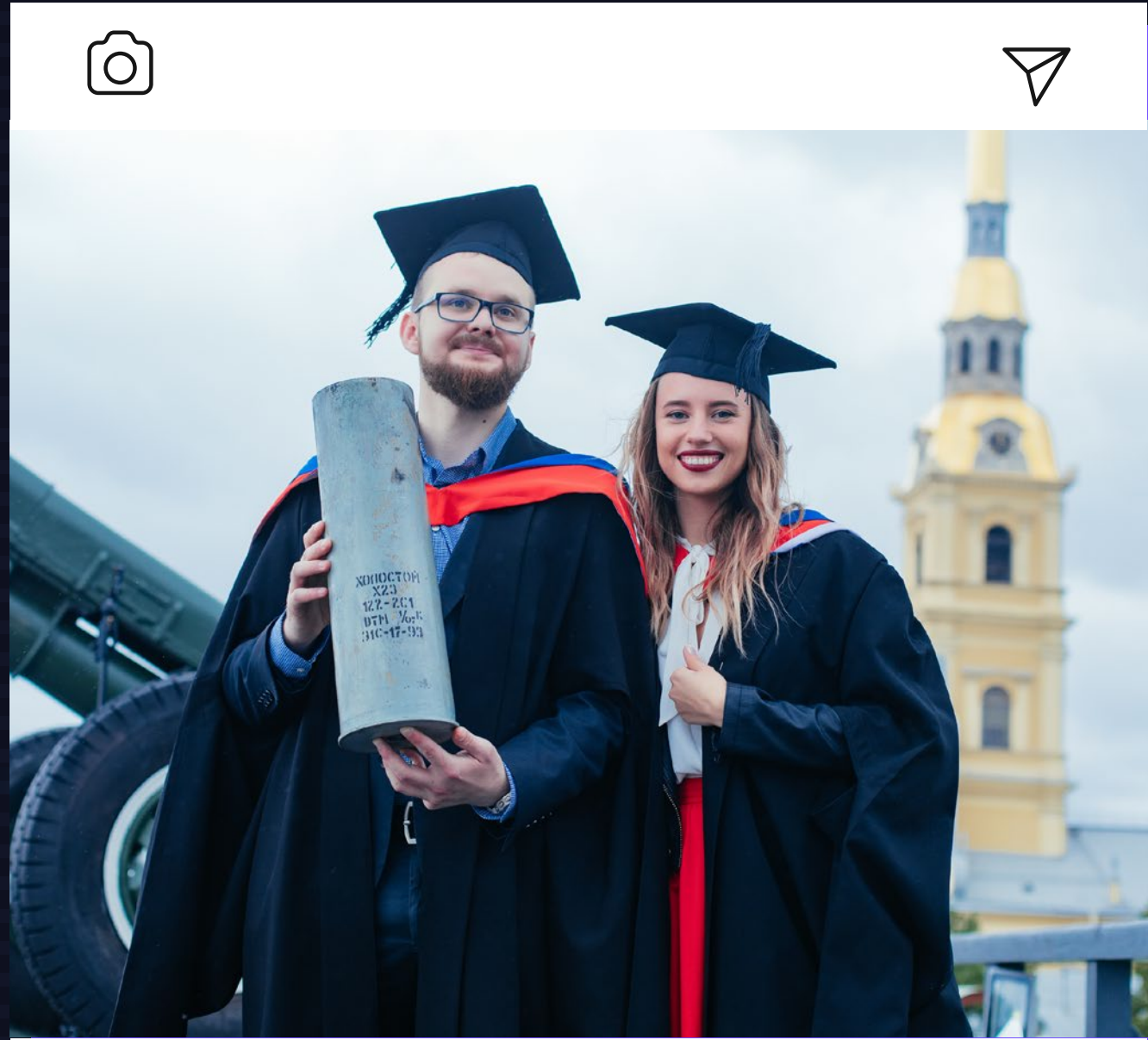
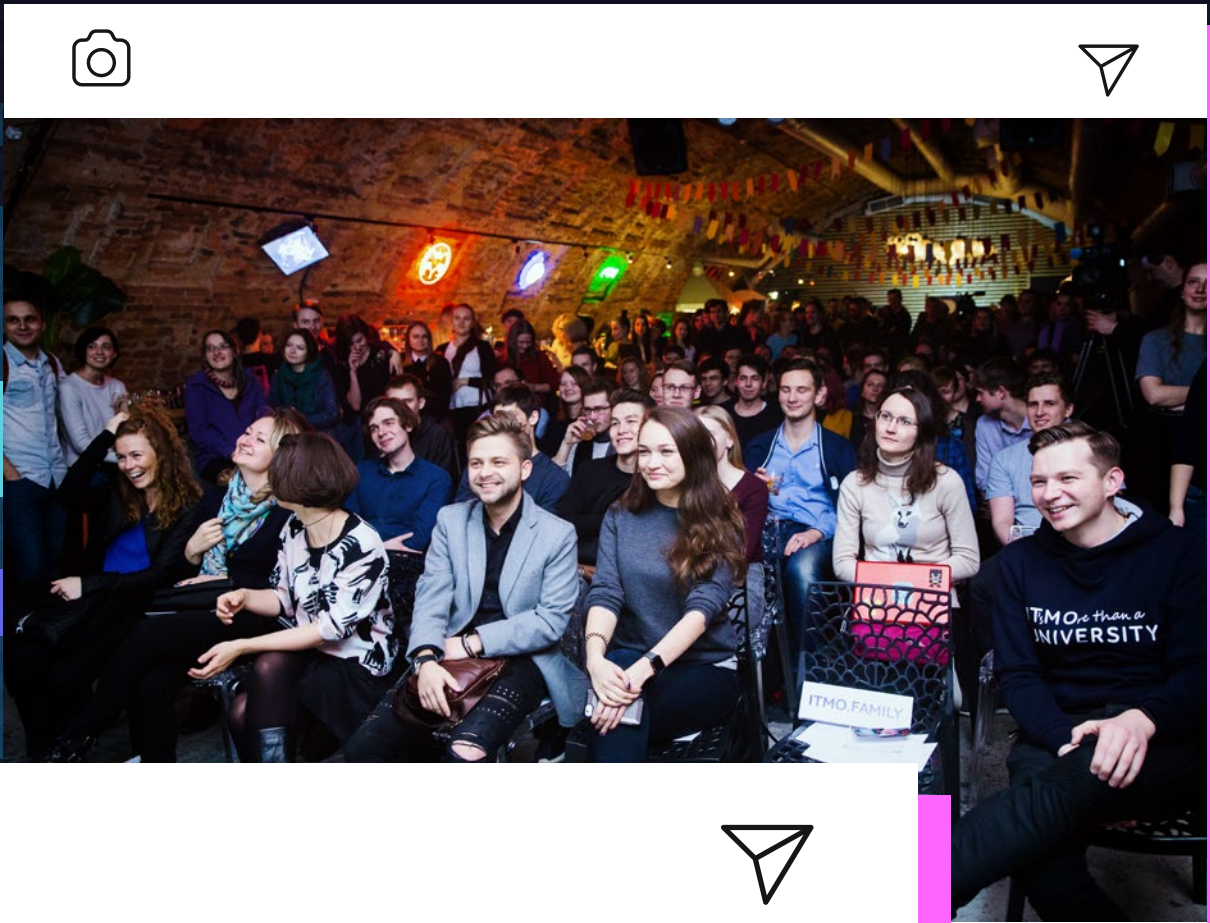
Digital
library

ITMO.FAMILY: AN ENVIRONMENT FOR GROWTH

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Quantum Potential
science stand-up show

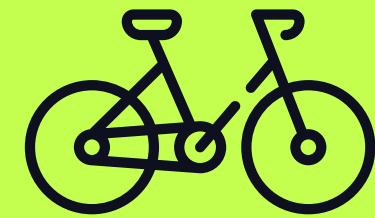


Graduation in the heart
of St. Petersburg



ITMO.FAMILY: AN ENVIRONMENT FOR GROWTH

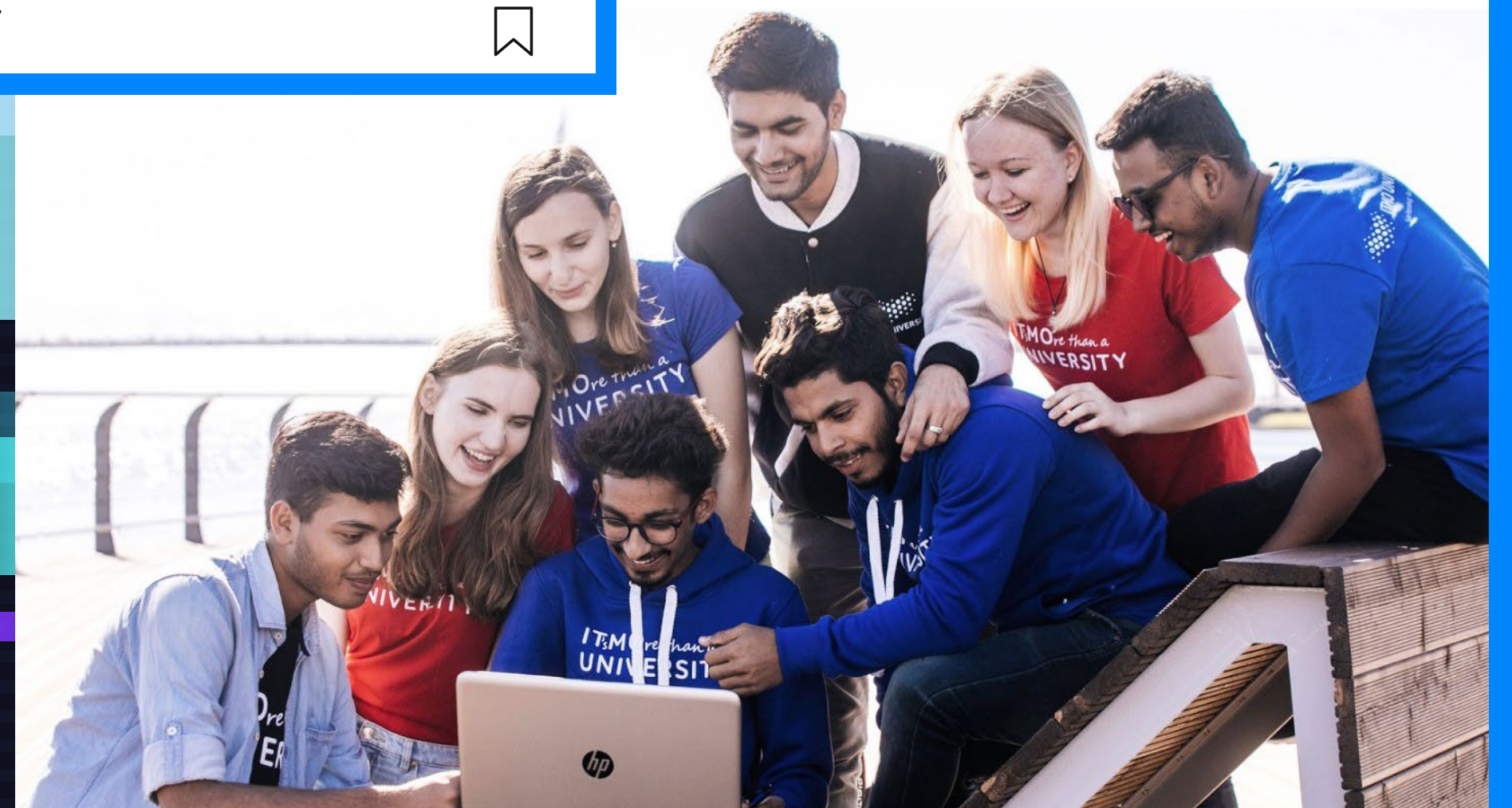
ITMO *More than a* UNIVERSITY



The bi-annual
bike ride
with the Rector



ITMO
Buddy System



IT's *MO*re than a
UNIVERSITY

JOIN US!

 spbifmo_en

 spbifmo

 spbifmo

 itmoru

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