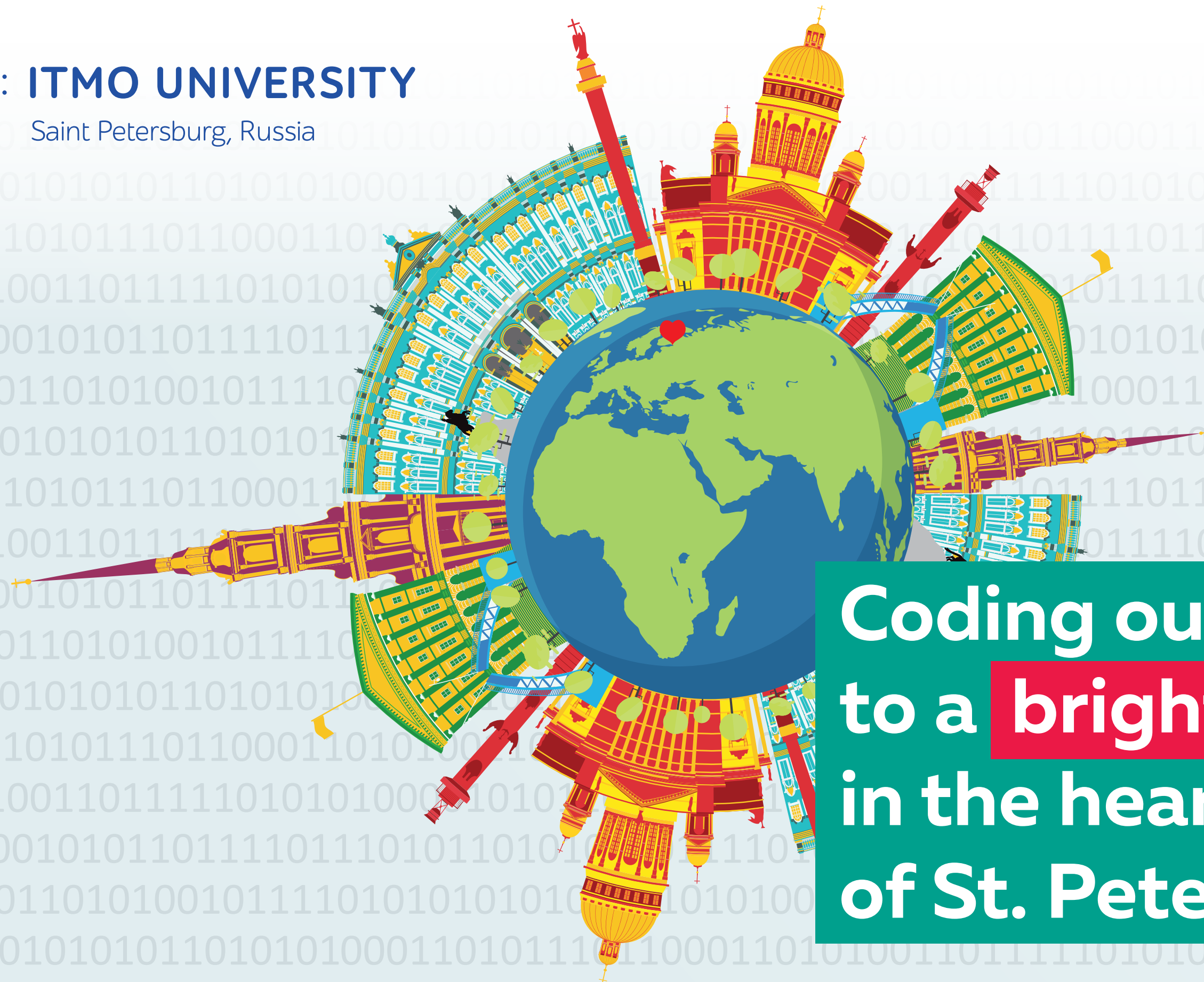




ITMO UNIVERSITY

Saint Petersburg, Russia

2018



Coding our way  
to a **brighter future,**  
in the heart  
of St. Petersburg

# At a glance

**11 125** student  
body

**6 350**  
bachelor degree  
students

**4 775**  
master  
degree  
students

**940**  
PhD  
students

**1 810**  
international  
students  
from 82 countries

**1 320**  
lecturers,  
professors





IN COMPUTER SCIENCE

**76th Place**

in THE Subject Ranking  
for Computer Science



UNESCO Medal "For Contributions  
to the Development of Nanoscience  
and Nanotechnologies"



In THE ranking for the first time:

**351-400**

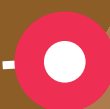
In overall  
rankings

**3rd place**

Among Russia's universities



In THE BRICS & EE  
ranking and straight  
to the **27th place!**



**QS** WORLD  
UNIVERSITY  
RANKINGS

First time in QS World  
University Rankings

First time in QS rankings by subject Computer Science  
& Information Systems and Physics & Astronomy

First time in rankings  
by subject: Engineering  
and Technology Physical  
sciences



# 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!



**V****VALUES****Respect for  
the Individual****Integrity****Academic  
Freedom****Openness****Love****F****FUNDAMENTAL  
THINKING****Systematic,  
Analytical  
and Critical  
Thinking****Digital  
Culture  
and Skills****Entrepreneurial  
Culture  
and Skills****Design  
Thinking****PS****PROF. SKILLS****Quality****Professions  
of the Future****Individual  
Tracks****SS****SOFT SKILLS****Creativity****Communication****Life Skills**

**Events and Courses  
for High School  
Students**

**Summer Schools**

**International  
Entrance  
Competitions**

**Exchange  
Semesters**

**Fellowship  
and Professorship  
Program**

**Open Call  
for International  
Research Labs**

**Talent  
Search  
System**



V



ITMO

PARK

HIGH

In partnership with federal and city authorities and private businesses

2017 established by the Russian Government

2018 construction to begin

2024 first stage to be completed

New research centers ●

50 international research labs ●

educational facilities  
for over 3600 students ●

housing ●

5 innovative production lines ●

over 6000 jobs ●

## ITMO CAMPUS

the testing ground for smart city and urban technologies

## ITMO.FAMILY

● beyond formal student contingent

● school kids, parents, exchange students, local community, alumni, online learners

● enhanced student involvement in ITMO development projects

# Innovation

ITMO University is one of the leading innovative infrastructures in Russia

**2 500+**

Applications  
to Startup  
Accelerators

**200+**

Alumni of Startup  
Accelerators

**52**

SIEs with turnover  
in excess  
of **1.61 mln usd**

**500+**

Foundations  
Monitored

**150+**

Start-ups

**1 000+**

Contests & Competitions  
Participated in

**Technopark**

Unique accelerator  
programs

Best practices: network  
of startups schools,  
Fundraising School



# Top Research Fields

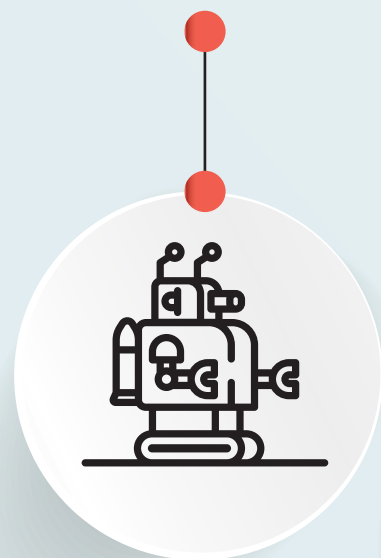
**Smart Technologies  
and Robotics**

**Life Sciences  
and Translational  
Medicine**

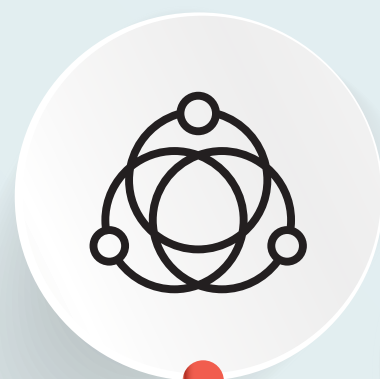
**Art & Science  
and Lighting Design**



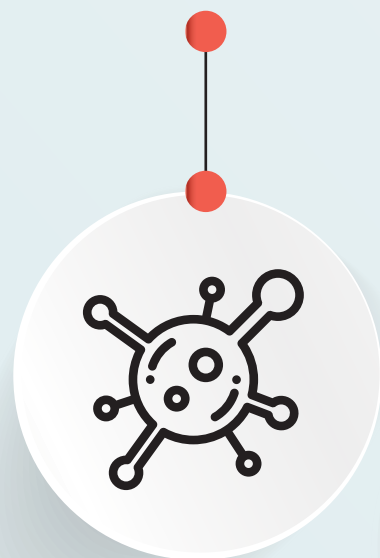
**IT and Information  
Security**



**Photonics and Quantum  
Communications**



**Natural Sciences  
and "Smart Materials"**



**Ecology  
and Urban Science**



**13**

international  
research centers

Local and international  
scientists, graduate,  
postgraduate students,  
and postdocs

Renowned specialists  
with worldwide  
recognition

## Leadership of ITMO International Research Centers



Peter M.A. Slout



Yury Gunko



Romeo Ortega



Xi-Cheng Zhang



Yury Kivshar

F

# Fellowship and Professorship Program: Internationalization of Research

100

Applications  
per year

10

Applicants  
per round selected

3

Program calls  
per year

18

Professors and fellows  
working at ITMO today

28

Average  
h-index



Evgeny Pidko



Roberto Morandotti



Ekaterina Skorb



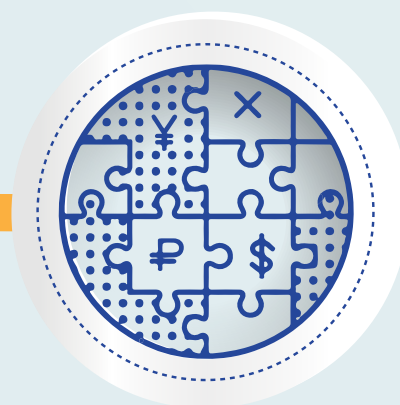
Pavel Loiko



Our Next Hero

PS SS

# 4+1 schools



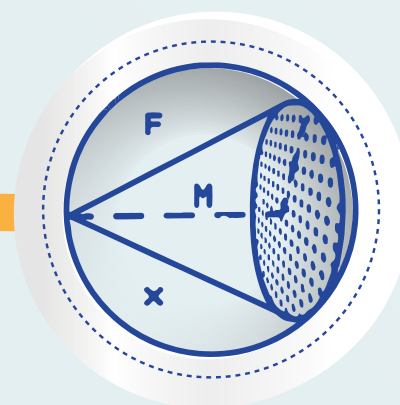
Translational  
Information  
Technologies

2 219



Computer  
Technologies  
and Control

3 473



Photonics

1 631



Biotechnology  
and Cryogenic  
Systems

1 971



Technological  
Management  
and Innovations

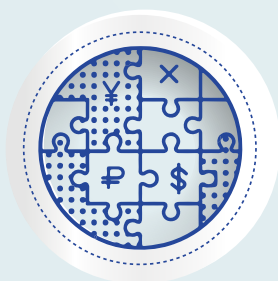
1 831

Student Body Profile



PS SS

# 4+1 schools



**Translational  
Information  
Technologies**

IT

Smart City

Digital Economics

Art and Science

Digital Humanities

Business Informatics

Big Data

eScience



**Computer  
Technologies  
and Control**

Mechatronics and Robotics

Internet of Things

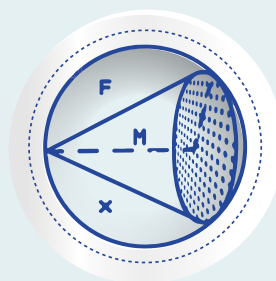
Smart House

Cyberphysical Systems

Digital Navigation  
and Control

Computer Graphics and Design

Information Security  
and Cybersecurity



**Photonics**

Laser Optics  
and Technologies

Optoinformatics

Light Technologies  
and Optoelectronics

Sensorics

Quantum Technologies

Creative Light Design



**Biotechnology  
and Cryogenic  
Systems**

Innovative Foods

Refrigeration Industry

Biotechnologies

Ecology

Bioengineering

Solution Chemistry  
of Advanced Materials  
and Technologies

Chemistry and Molecular  
Biology



**Technological  
Management  
and Innovations**

Management  
of Technological  
Innovations

Economics,  
Management,  
Marketing

Logistics

# Individual Academic Tracks:

## Meeting Employer Demands and Harmonious Development of Well-Rounded Individuals

### Professional Skills

#### Bachelor's Degree programs



### Professional Skills

#### Master's Degree programs



# Reputation

Winner of:



ACM ICPC

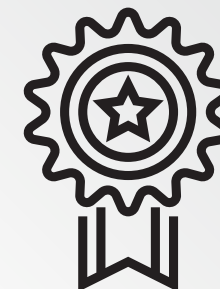
2004, 2008, 2009,  
2012, 2013, 2015,  
2017



Europe's largest  
robotics contest  
Robotex  
2017



Google Code Jam,  
Facebook  
Hacker Cup,  
Yandex.Algorithm



World Robot  
Olympiad  
2017



QS-APPLE  
Creative Award

# Incoming Academic Mobility

- Integration and adaptation programs for international students
- Courses taught both in Russian and English
- Russian language classes available
- Immersion into the university's non-classical environment: from exciting cultural events to unique projects
- An opportunity to work and live in Russia's most European city — St. Petersburg

**128**  
international staff  
in 2018

**16%**  
international students  
in 2018



# Outgoing Academic Mobility

**170+**

partner universities  
around the world

**10%**

of students study abroad  
on academic mobility  
programs per year

# ITMO Overseas Offices: Global Outreach

## Brussels, Belgium

Strengthening ties with European research and educational organizations: first ITMO representative overseas office which opened in 2014.



## Arezzo, Italy

Taking breakthrough research results to the production lines and improving student employability: ITMO and Diakont joint office which opened in 2015.



# Join us on our journey!

IT's *MO*re than a  
**UNIVERSITY**

