

ITMO UNIVERSITY

Saint Petersburg, Russia

**ITMO UNIVERSITY
IN "TOP 100"*
GLOBAL ONLINE GAME:
FROM NEWBIE
TO WINNER**

**LEVEL 1
2013-2014** ↑

**LEVEL 2
2015** ↑

**LEVEL 3
2016** ↑

*FROM THE AUTHORS OF QS AND THE 😊

Game settings

▶ THE GOAL

build an outstanding university, surpass formal rankings, ensure real competitive advantages

▶ THE TASK

complete the basic levels quickly and find the **PASSWORD** for the top level "WINNER"

▶ TIMELINE

2013 - 2020

▶ NUMBER OF LIVES

one
(eagle vision adds 10% to speed)

Player

 **ITMO UNIVERSITY**
Saint Petersburg, Russia



▶ STATUS

Newbie (as of 2013)

▶ STRENGTHS

Unique research and educational profile, based on convergence of photonics and IT, addressing global technological challenges of XXI century

▶ STRATEGY

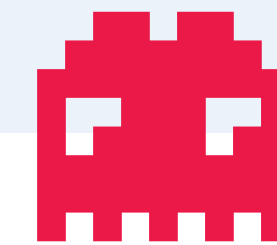
Proactive

▶ SUPER POWER

Dynamics

▶ GAME STYLE

Non-classical



You are on our team, too

ITMO University teams up with the absolute champions of the game *



Dmitry Livanov



Andrei Volkov



Alexander Abramov



Igor Agamirzian



Valery Kozlov



Edward F. Crawley



Michael M. Crow



Philip G. Altbach



Malcolm J. Grant



Herman Gref



Koenraad Debackere



Weifang Min



Lap-Chee Tsui

* Your involvement throughout the game is vital

Level 1: "Newbie" 2013-2014

The Task

- Find the unique niche
- Internationalize quickly
- Achieve quick wins

Solution

- ✓ Non-classical Graduate/Postgraduate university
- ✓ Initiation of International Research Centers, "ITMO Fellowship" and International educational programs
- ✓ Jump in a number of publications, foreign students and staff
- ✓ A magnet and a home base for talent



Level #1 successfully completed ✓

Level 2: "Advanced" / Globalization 2015

The Task

- Dive into the world academic environment

Solution

Internationalized research?

We've got it:

- ✓ Successful financially sustainable International Research Centers
- ✓ Scopus publications – increase of 312%* compared to 2012
- ✓ 47%* of publications co-authored with foreign scientists
- ✓ Every 7th article published in top-10% journals

Internationalized education?

Yes, we've got it too:

- ✓ High profile international educational programs +160% compared to 2014
- ✓ Share of foreign students – 16,5%
- ✓ ITMO World Champions Programming School
- ✓ Student ambassadors
- ✓ Edutainment – Magic of Light Exhibition

* the best result among the "5-100" Project participants



Level 2: "Advanced" / Globalization 2015

Solution

Each employee - to address global challenges: it's cool to work at ITMO

- ✓ "ITMO Fellowship and Professorship" Program – 338 applications in 2015; 16 hired
- ✓ Staff and faculty from 26 countries
- ✓ Employment through open contests

True entrepreneurial university:

- ✓ Social entrepreneurship +350% in # of students
- ✓ 20% of students and staff involved in entrepreneurial activities
- ✓ 1000+ contributors and applicants for innovative initiatives

Change management in action:

- ✓ Student representation in Academic Board – from 7% to 24%
- ✓ Student Project Office "5-100S"
- ✓ Structural transformations: 8 departments reorganized, 15 chairs closed, 3 new institutes opened



Level #2 successfully completed ✓

Level #3 "Professional" / University Transformation 2016

The Task

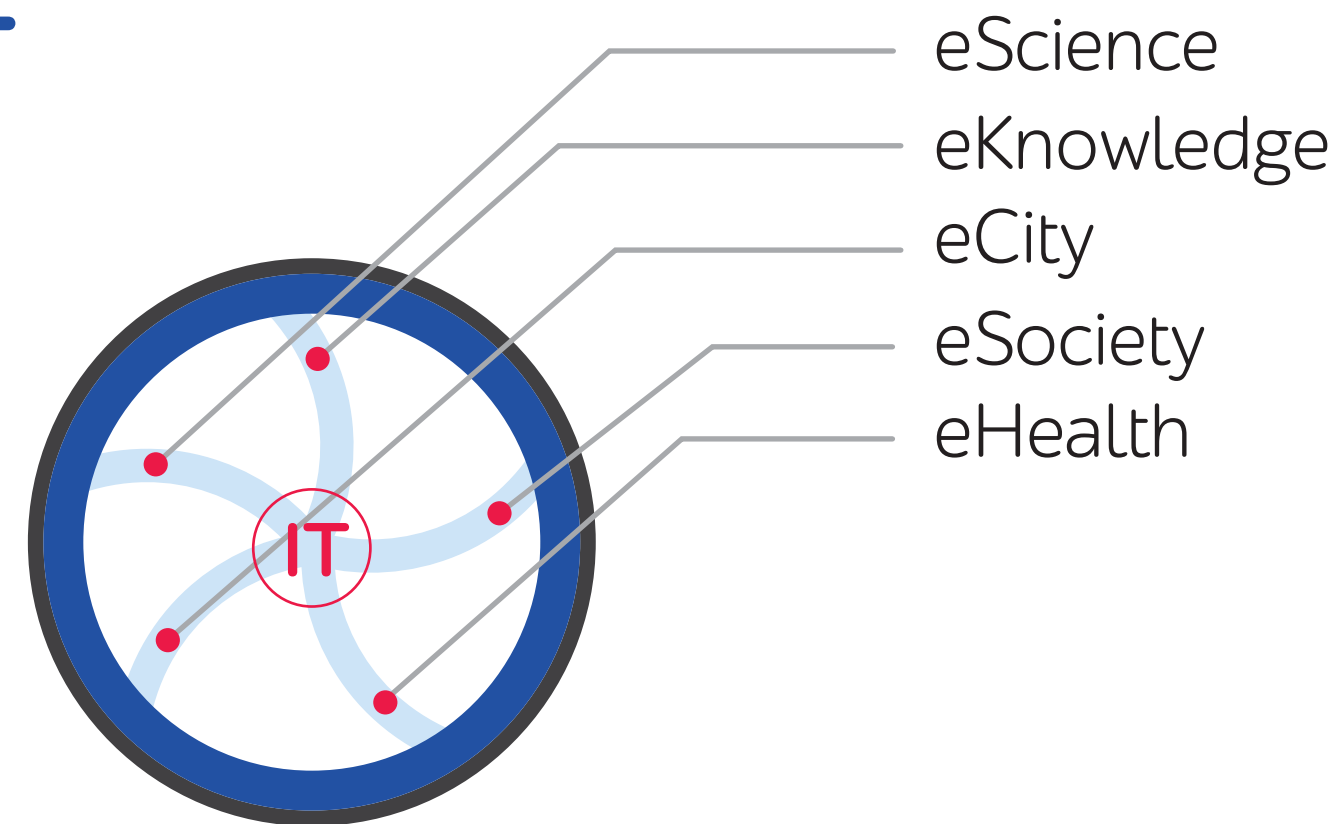
achieve leadership positions by addressing global challenges

Solid foundation – we promised and we did – 6-time world champions in programming

Solution –

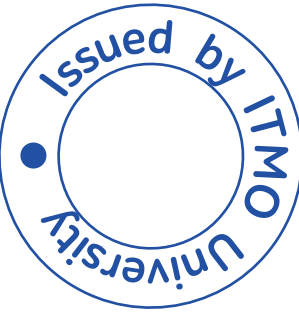
train professionals of a new type, apply IT to complex areas of sciences

School of Translational IT



INTERNATIONAL PASSPORT

School "Translational Information Technologies"



Prof. ALEXANDER BUKHANOVSKII

Personal driver: Faith



Share of employees –
9,57%
of all ITMO employees

Share of students –
13,86%
of all ITMO students

Strength of School –
international education

Level #3 is **33%** complete. Two more steps to complete this level

Level #3 "Professional" / University Transformation 2016

The Task

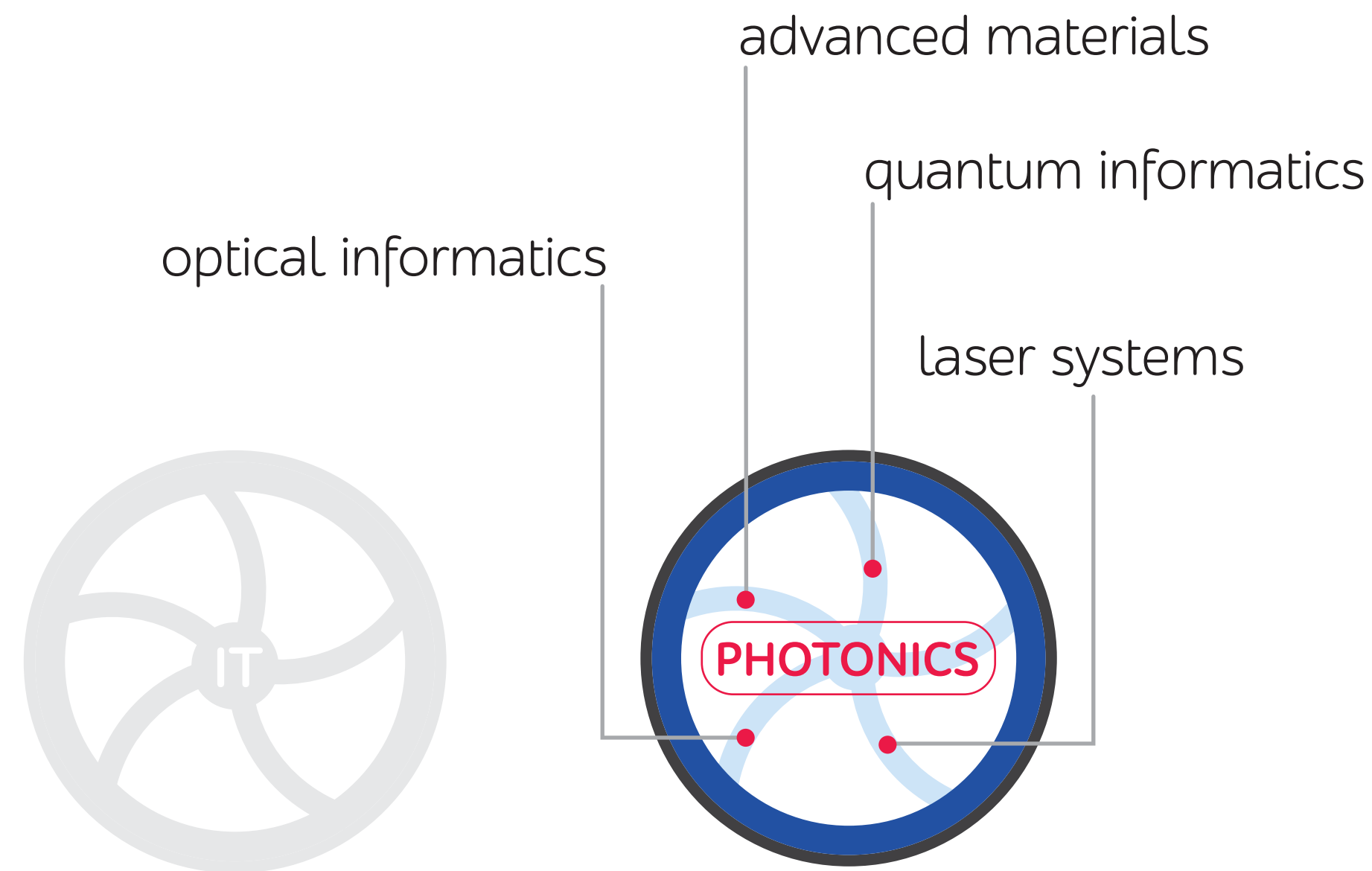
achieve leadership positions by addressing global challenges

Solid foundation – Russian leader in photonics, quantum network creator

Solution –

generate breakthrough results in photonics of information-communication systems

School "ITMO Photonics"



INTERNATIONAL PASSPORT

School "ITMO Photonics"

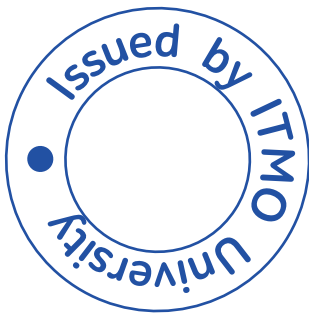
Prof. VLADISLAV BUGROV

Personal drivers: engaging work and loving family

Share of employees – **22,8%** of all ITMO employees

Share of students – **21%** of all ITMO students

Strength of School – young scientists



Level #3 is **66%** complete. One more step to complete this level

Level #3 "Professional" / University Transformation 2016

The Task

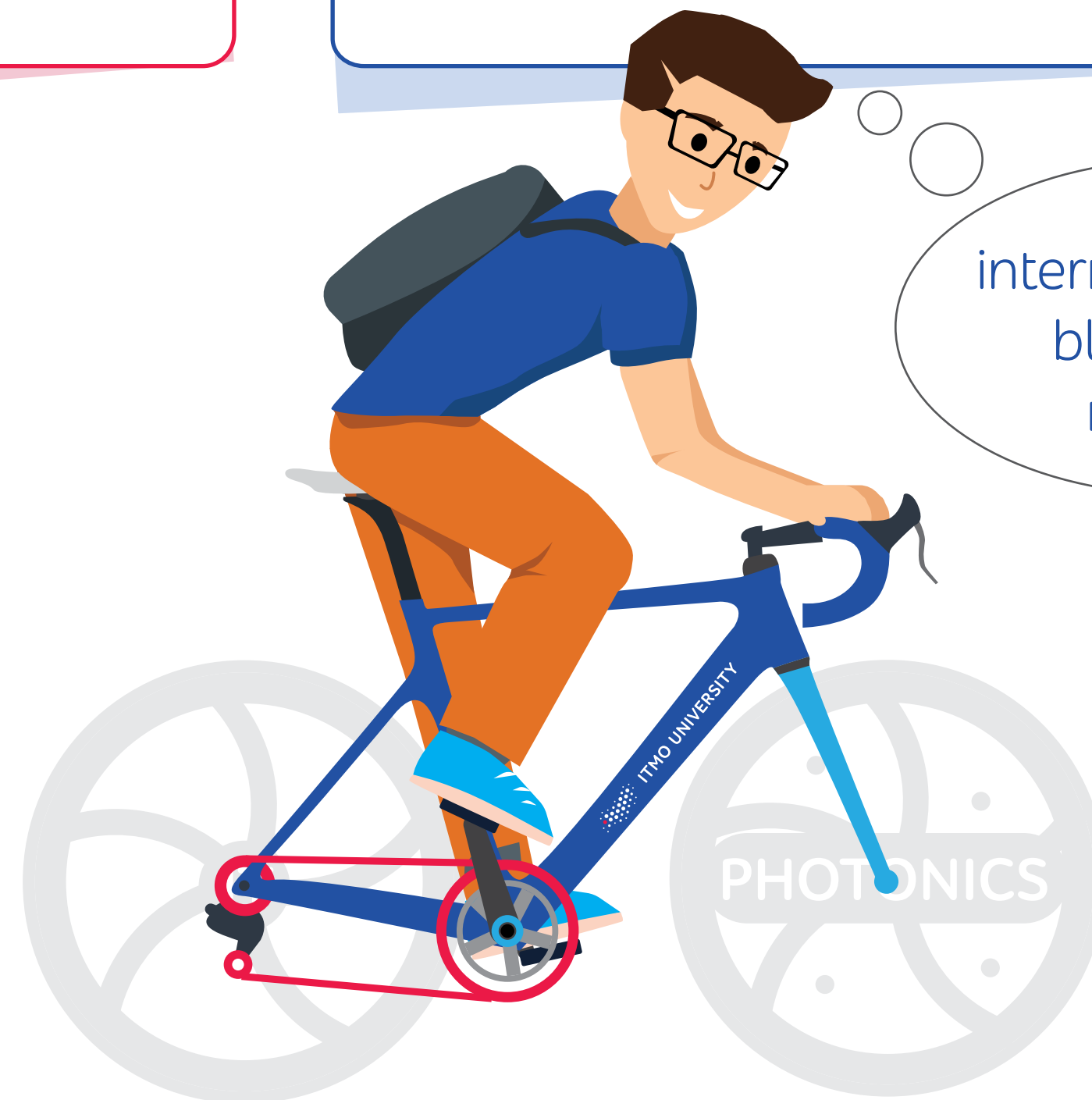
achieve leadership positions by addressing global challenges

Solid foundation – extensive experience of industrial cooperation

Solution –

address engineering challenges of future Cyber-Physical Systems. Conquer the world

School of Computer Technologies and Controls



internet of things
blockchain
robotics

INTERNATIONAL PASSPORT

School "Computer Technologies and Controls"

Prof. **ALEXEY BOBTSOV**
Personal drivers: science, family, nature

Share of employees –
15,4%
of all ITMO employees

Share of students –
30,7%
of all ITMO students

Strength of School –
multidisciplinary approach



Level #3 is **99%** complete.

Enter **PASSWORD** for the next level

WHAT IS ITMO PASSWORD?

positions in rankings?

reputation?

world recognition?

openness?

creativity?

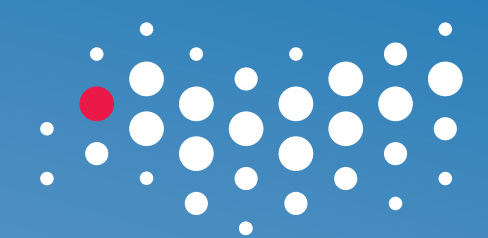
style?

true Saint Petersburg University?

dynamics?

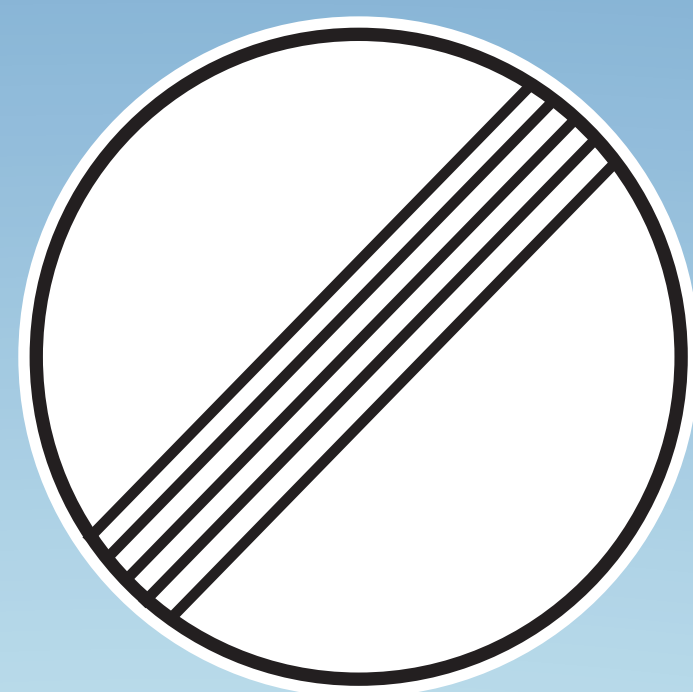
non-classical university?

all these and MORE...



ITMO UNIVERSITY

Saint Petersburg, Russia



SLOWER
TRAFFIC
KEEP
RIGHT



LEVEL 6
2022

LEVEL 5
2021

LEVEL 4
2017-2020

The game continues! 

Stay with us to be the first
to learn about ITMO University
victories

Level #3 successfully completed 

Transitioning to level #4 - «Winner» 2017-2020