Contents

Welcome from the Director ........................................... 4
Key Figures .................................................................. 6
Finance ....................................................................... 8
Admission Campaign ..................................................... 10
Project Initiators ........................................................... 14
Cooperation with Industry ................................................. 16
Labour Force for A Digital Economy ................................. 30
HR Policy .................................................................. 36
Welcome from the Rector ............................................... 39
Research Laboratories .................................................... 40
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Publications and Grants</td>
<td>46</td>
</tr>
<tr>
<td>International Cooperation</td>
<td>48</td>
</tr>
<tr>
<td>Features of Education</td>
<td>52</td>
</tr>
<tr>
<td>Student Affairs, Support and Development</td>
<td>58</td>
</tr>
<tr>
<td>Pre-University Training and Olympiad Movement</td>
<td>60</td>
</tr>
<tr>
<td>University Events</td>
<td>66</td>
</tr>
<tr>
<td>Media and Popularization of IT</td>
<td>68</td>
</tr>
<tr>
<td>Sponsors</td>
<td>74</td>
</tr>
<tr>
<td>Contacts</td>
<td>75</td>
</tr>
</tbody>
</table>
Over the past year, we have made crucial steps towards our main goal of becoming a world-class, leading Russian IT university. We have established new laboratories and centres, initiated unique educational projects, and celebrated the resounding victories of our students and research fellows.

We have headed the NTI roadmap project “AeroNet”, and launched a collaboration with the biggest Russian industrial companies, Gazprom and Aeroflot. Today, together with representatives of the real economy, we investigate what kind of specialists are in high demand, and will be valued tomorrow. Consequently, we can modify our educational programs in accordance with industrial needs.

We employ professors and research fellows from the world’s top-50 IT universities, with substantial work experience in the industry. We successfully utilize the intellectual resources for research, science-based projects, student training, and, in the framework of the IT Business Module, corporate refresher courses. As a result of the tight intersection of education, science, industry and business, we contribute to the development of an efficient system which will transform the Russian digital economy into a global leader.
Board of Trustees

Roman Shaykhutdinov
Deputy Prime Minister of the Republic of Tatarstan — Minister of Information and Communication of the Republic of Tatarstan

Mark Shmulevich
Chief Strategy and Operations Officer at Acronis

Serguei Belousov
Founder and CEO of Acronis, founder of Runa Capital and Qwave Fund

Anton Sushkevich
Co-founder of Postgres Professional and NVision Group

Dmitry Kondratyev
Founder and chairman of the "Unium" education network

Alexander Tormasov
Rector of Innopolis University, Professor, Doctor of Physical and Mathematical Sciences

INNOPOLIS UNIVERSITY
FIVE YEARS
Key Figures

Students

- 2013: 14
- 2014: 50
- 2015: 322
- 2016: 635
- 2017: 556

Faculty members

- 2013: 1
- 2014: 6
- 2015: 26
- 2016: 32
- 2017: 36

Graduates

- 2013: 0
- 2014: 13
- 2015: 17
- 2016: 28
- 2017: 169

Research fellows

- 2013: 0
- 2014: 14
- 2015: 44
- 2016: 38
- 2017: 65

Employed graduates

- 2013: 0
- 2014: 13
- 2015: 17
- 2016: 28
- 2017: 169

Administrative staff

- 2013: 2
- 2014: 9
- 2015: 14
- 2016: 27
- 2017: 36

Laboratories and centres

- 2013: 0
- 2014: 4
- 2015: 11
- 2016: 16
- 2017: 20

Academic partners

- 2013: 2
- 2014: 9
- 2015: 14
- 2016: 27
- 2017: 36

* as of September 1, 2017
**Received grants and projects**

<table>
<thead>
<tr>
<th>Year</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Count</td>
<td>0</td>
<td>3</td>
<td>16</td>
<td>10</td>
<td>9</td>
</tr>
</tbody>
</table>

**Research publications (Scopus)**

<table>
<thead>
<tr>
<th>Year</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Count</td>
<td>1</td>
<td>5</td>
<td>41</td>
<td>73</td>
<td>74</td>
</tr>
</tbody>
</table>

**Total amount of funding from grants and projects (million Rub.)**

<table>
<thead>
<tr>
<th>Year</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amount</td>
<td>0</td>
<td>167.4</td>
<td>35.5</td>
<td>416.3</td>
<td>1213.1</td>
</tr>
</tbody>
</table>

**Total amount of funding from sponsors (million Rub.)**

<table>
<thead>
<tr>
<th>Year</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amount</td>
<td>462.6</td>
<td>211.0</td>
<td>535.9</td>
<td>336.9</td>
<td>690.8</td>
</tr>
</tbody>
</table>

**Industrial partners**

<table>
<thead>
<tr>
<th>Year</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Count</td>
<td>11</td>
<td>19</td>
<td>34</td>
<td>100</td>
<td>131</td>
</tr>
</tbody>
</table>
### Income

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Balance as of beginning of the year</td>
<td>49,286,301 ₽</td>
</tr>
<tr>
<td>Subsidies and grants</td>
<td>193,032,630 ₽</td>
</tr>
<tr>
<td>Education services</td>
<td>26,020,933 ₽</td>
</tr>
<tr>
<td>Sponsor contributions and endowments</td>
<td>690,830,011 ₽</td>
</tr>
<tr>
<td>Other</td>
<td>61,508,257 ₽</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>971,391,831 ₽</td>
</tr>
</tbody>
</table>

### Expenditure

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education</td>
<td>375,243,449 ₽</td>
</tr>
<tr>
<td>Research activities</td>
<td>244,820,301 ₽</td>
</tr>
<tr>
<td>Pre-university programs</td>
<td>23,069,745 ₽</td>
</tr>
<tr>
<td>University management</td>
<td>271,739,199 ₽</td>
</tr>
<tr>
<td>Events</td>
<td>75,729,076 ₽</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>990,601,771 ₽</td>
</tr>
</tbody>
</table>
Closing balance
30 076 361 ₽
Admission Campaign

Countries

- 7,872 Russia
- 1,594 CIS (10 countries)
- 2,647 Far-abroad countries (133 countries)

Programs

- 7,166 Bachelors
- 4,947 Masters

CIS countries

- 577 Kazakhstan
- 335 Ukraine
- 173 Uzbekistan
- 184 Belarus
- 123 Kyrgyzstan
- 78 Tajikistan
- 47 Azerbaijan
- 36 Moldova
- 21 Turkmenistan
- 20 Armenia

8 Open Days at Innopolis University

13 main and 8 additional selections in Innopolis
Applications from far-abroad countries

Africa — 1458
Asia — 955
America — 117
Europe — 108
Oceania — 9

Far-abroad countries*

427 Nigeria
339 Pakistan
200 Ghana
187 India
83 Ethiopia
72 Kenya
66 Bangladesh
62 Egypt
59 Rwanda
58 Cameroon
52 Uganda
50 South Africa
43 Nepal
37 Morocco
34 Liberia
33 Turkey
32 Zimbabwe
31 Tunisia
29 Ecuador
28 Indonesia
24 Afghanistan
24 Algeria
23 Somalia
23 UAE
21 Saudi Arabia
21 Tanzania
20 Sudan
20 USA
19 Iran
18 Gambia
18 Sri Lanka
15 Sierra Leone
15 Syria
14 Malaysia
14 Thailand
13 Republic of the Congo
13 Iraq
13 Yemen
12 Brazil
12 Germany
12 Senegal
11 Zambia
10 Mexico
9 Burundi
9 Cyprus
9 Greece
9 Israel
9 Namibia
9 Ivory Coast
8 Botswana
8 China
8 Georgia
8 Guinea
7 Angola
7 Bolivia
7 Djibouti
7 France
7 Lebanon
7 Libya
7 Qatar

* Top-60 (92% of all applications)
556 students in 2017–2018 academic year

86,69 — average Unified State Examination grade per subject of those enrolled into Bachelor programs

3,8 years — average work experience of those enrolled into Master programs

11 years — maximum work experience

Enrolled students in 2017

198 Russian students
42 Russian regions

57 international students
29 countries
41 bachelor freshmen have graduated from the top-500 best Russian schools according to the 2017 ranking provided by the Moscow Centre for Continuous Mathematical Education with support of the Ministry of Education and Science of the Russian Federation.

28 freshmen are prize winners at the All-Russian Olympiad in Informatics, and 1 prize winner at the All-Russian Olympiad in Physics.

32 admitted students are from far-abroad, including 3 members of IOI national teams from Egypt, Syria, and Bosnia and Herzegovina, and 1 member of the Syrian national team at the International Olympiad on Physics.
IT is a driving force for all other economy sectors. The moment the Innopolis project was launched nobody even thought of the digital revolution. Back then only initial services and ideas came to our mind. Today we already talk about Artificial Intelligence and Blockchain.

Digital technologies are implemented in every sphere including health and law enforcement services, petrochemical industry and mechanical engineering. Therefore, the government strives to support the IT development particularly in education, since tomorrow depends on students.

Innopolis University is not only the IT forefront of the Republic of Tatarstan, but also a place to bring own professional goals to life. Today the University offers a convenient environment for study, work and life.
We have been working as one team, for five consecutive years already. Today, Innopolis University accumulates hundreds of students coming from various Russian regions and 30 countries, dozens of professors from 20 countries, administrative and executive teams, who all together contribute to the creation of a world-class IT University.

Our goal is to join the list of the world’s top-100 universities in Computer Science, in the next 5 years. I believe that a great future is reserved for Innopolis University, both in Russia and in the world.

The Russian top leadership attentively keeps track of the Innopolis project development. For instance, Dmitry Medvedev, the Prime Minister of the Russian Federation, paid a visit to Innopolis University campus in 2015. Vladimir Putin, the President of the Russian Federation, in his annual state-of-the-nation address has pronounced the digital economy the most significant direction for the country’s development. Moreover, the President constantly shows interest in Innopolis University life, events and projects.
Cooperation with Industry

Number of partners

131
2017

100
2016

34
2015

19
2014

11
2013

Iskander Bariev
Vice-Rector for Project, Science and Research Affairs

In 2017 we started working on 16 science and research projects, and opened 4 new centres where the Innopolis University team helps business to resolve topical issues.

In 2018 we will fortify cooperation with industry in the sphere of Robotics, Artificial Intelligence, Blockchain and Information Security.
31 new partners
7 Scientific Research Centres

- Centre for Modeling and Analysis of Big Data in Finance and Economy
- CERT-Centre
- Centre for Business Process Automation
- Centre for Civil Aviation
- Centre for Robotics Development
- Centre for Blockchain Technology
- Centre of Geographic Information Systems

4 new centres

Centre for Civil Aviation

Head: Yaroslav Kholodov

- Creating control management systems
- Developing inspection and diagnostic systems
- Automatizing technological processes at air carrier facilities
- Researching the use of virtual and augmented reality technologies
- Analysing passenger transportation management efficiency at airports
- Researching airport navigation based on augmented reality technologies
- Developing a technique for scanning aircraft surfaces during post-flight maintenance
- Researching the use of an anthropomorphic robot at the check-in and baggage drop-off points at airports
Centre of Geographic Information Systems

Head: Konstantin Igudesman

- Researching the field of geospatial data, remote sensing and monitoring
- Monitoring, reviewing and analyzing trends in geospatial data, remote sensing and monitoring
- Developing a new economic model for the national economy branches with the use of geospatial data and services
- Consulting enterprises from the real economy sector on the use of geospatial data and services
- Introducing new systems and services based on geospatial data, remote sensing and monitoring

Centre for Blockchain Technology

Head: Rustam Davletbaev

- Researching blockchain technology
- Monitoring and analyzing trends in the sphere of blockchain technology
- Developing a new economic model for national economic branches with the use of blockchain technology
- Consulting on the use of blockchain technology
- Introducing blockchain technology to technological and administrative projects of enterprises from the real economy sector
- Organizing and realizing educational events

Centre for Robotics Development

Head: Alexandr Klimchik

- Designing Robotic Systems
- Researching the mechanical characteristics and principles of robotic systems control, including biotechnical, automatic and interactive control systems
- Human-robot interaction and co-working
- Developing and promoting intellectual platforms in medicine, industry and the tertiary sector
Achievements of the Centres

Centre for Modeling and Analysis of Big Data in Finance and Economy

Development

- The centre has characterized financial cyberthreats between markets and groups of countries, analyzed financial and economic indicators, built confidence intervals for the data structural changes, and conducted a sustainable analysis for financial and economic markets.

- The centre has developed economic and financial database packages for computer statistical analysis programs. Also, packages for the analysis of structural changes in the dynamics of economic and financial indicators were created. Regression models of their dependency and coefficient equality of the economic and financial models of different markets were also taken under scrutiny.

Publications

- The results of the centre’s work are published in leading foreign and Russian journals on finance, economics and econometrics:
  - Emerging Markets Review (JCR impact factor 2.065, first quartile - Q1 - based on impact factor JCR)
  - Journal of Financial Econometrics (JCR impact factor 1.8, first quartile - Q1 - based on impact factor JCR)
  - Research in International Business and Finance
  - Applied Economics
  - Applied Econometrics and article thesis by prestigious publisher Academic Press (imprint Elsevier)

Researchers presented their research outcomes at conferences, symposiums and seminars at educational institutions in Russia and abroad:

- IV International Conference on Modern Econometric Tools and Applications — META2017
  NRU Higher School of Economics, Nizhny Novgorod

- International Conference
  "Probability Theory and Mathematical Statistics 2017"
  Kazan

- VIII Eurasian Economic Forum
  Ural State University of Economics, Yekaterinburg

- The 10th International Conference on Computational and Financial Econometrics (CFE 2016)
  Seville (Spain)

- The European Meeting of Statisticians 2017
  Helsinki (Finland)

- The 17th Conference of the Applied Stochastic Models and Data Analysis (ASMDA-2017), London Mathematical Society
  London (UK)

- Ist International Conference on Econometrics and Statistics
  (EcoSta 2017)
  Hong Kong

- The Fourth Annual Conference of the International Association for Applied Econometrics (IAAE-2017)
  Sapporo (Japan)

- The 11th International Conference on Computational and Financial Econometrics (CFE 2017)
  London (UK)
Centre for Robotics Development

Development

✔ Developing methods and algorithms for identifying models of the interaction between a human, the environment and a robot with an adaptive compliance.

✔ Optimizing the robot geometric parameters within the project of a hardware-software complex with a torque feedback for an autonomous robotic assembly area. Moreover, a robot’s mathematical model has been developed, and an analysis of the robot’s kinematic properties in the working space has been made.

✔ Developing, integrating and configuring software and a communication unit to control unmanned aerial vehicles. The vehicles aim at monitoring the concentration of methane and carbon dioxide in the environment near industrial facilities and pipelines.

✔ Developing a platform for experimental research, technical specifications and documentation for a line replaceable airborne prospecting module. Built upon a project of a modular system for the remote and autonomous control of commercial vehicles, the module is to be installed on trucks.

✔ Optimizing operation algorithms for an anthropomorphic robot on smooth and cross-country terrain. Developing mathematical models and module algorithms for local and global real-time navigation.

The centre’s team members came in second among 400 participating teams in the world’s competition on the subsystem development for autonomous vehicles. The competition was organized by the international educational platform Udacity together with a Chinese taxi service Didi Chuxing.

Publications

✔ The results of developing methods and algorithms for identifying models of interaction between a human, the environment and a robot with an adaptive compliance were presented at two international and one Russian conferences.

✔ Two publications were included in the Scopus database, and another one presented in RSCI.
CERT-Centre

Development

- Developing an open prototype of an early warning system for computer attacks. Testing prototypes of software and hardware complexes of stream pre-processing, processing and storage of big data on cybersecurity. Designing an open segment of the National Early Warning System to protect crucial information resources of the Russian Federation.

- Developing educational programs on Information Security for PAO Ak Bars Bank and PAO Megafon.

- Conducting refresher training for employees of the Republic of Tatarstan MIA and the Tyva Republic Administration. The training was based on the “IS management” course.

Publications and public speeches


- The centre’s staff members have taken part in 22 all-Russian international conferences on Information Security.

- 54 articles were published in a peer-reviewed journals included in the HAC list.

- With the support of IEEE, the centre organized and held the 2017 Symposium on Cybersecurity of the Digital Economy CDE-17.

Centre of Civil Aviation

- Initiating joint research projects with the “Innodata” company on big data analysis, information security, IoT, virtual and augmented reality in the sphere of civil aviation.

- Working on the software technical support for quality management systems.
Centre of Blockchain Technology

- Conducting a survey on blockchain technology regulation, cryptocurrency and ICO in Russia. An analytical note is being prepared on the survey results, which are saved in blockchain.

- Developing two educational courses: IT Business Module "Blockchain Technology for Business", and "Blockchain Systems".

- With the use of blockchain technology, the team has developed a solution concept and architecture for the Archival Service of the Republic of Tatarstan. The solution facilitates the process of documentation flow. Moreover, a research project was carried out on the applicability of the blockchain technology.

- An agreement on strategic cooperation between Innopolis University and the Enterprise Ethereum Alliance (EEA) has been signed.

- An agreement between Innopolis University and the state corporation Bank for Development and Foreign Economic Affairs (Vnesheconombank) on the establishment of the Blockchain Competencies Centre has been signed.

- An agreement on strategic cooperation between Innopolis University and OOO CyberVostok, and Digital Cooperative AGRARIUM has been signed.

Centre of Geographic Information Systems

- The centre has received a subsidy from the Republic of Tatarstan budget in the amount of 9.7 million Rubles for the development and pilot implementation of a cloud 4D-geoinformation platform on the territory of the Republic of Tatarstan.

- The aerial photography and laser scanning of Kazan and Naberezhnye Chelny have been carried out.

- The orthophotoplans of scale 1:2000 and digital models of the cities' terrain were created.
Industrial Projects

1 213,1 млн ₽
Total cost of concluded contracts on research projects

Projects

- Developing a modular system with remote and autonomous control of a commercial carrier, as well as a traffic route airborne prospecting with the use of domestic components
  - Project cost in Rubles: 153 000 000
  - Industrial partner: KAMAZ

- Developing a hardware-software complex for anthropomorphic robots with series elastic actuation to operate on smooth and cross-country terrain
  - Project cost in Rubles: 120 000 000
  - Industrial partner: ANDROID TECHNICS

- Developing a hardware-software complex with torque feedback for an autonomous robotic assembly area
  - Project cost in Rubles: 4 050 000
  - Industrial partner: Arkodim
Monitoring the concentration of methane and carbon
dioxide in the environment near industrial facilities
and pipelines through unmanned aerial vehicles

Developing a concept for designing a unified information
source

Developing models that identify methods of interaction
between a robot with adaptive compliance, a human
and the environment

Developing and supporting high-precision mathematical
computational methods for the numerical solution
of 1D and 3D geomechanical modeling tasks

Consulting and information services on the development
of methods for creating an interactive scheme of transport
and gas distribution facilities for OOO Gazprom Transgaz
Kazan

Developing and piloting implementation of a cloud
4D-geoinformation platform on the territory
of the Republic of Tatarstan

Other industrial projects
IT Business Module

Launched in 2016, this project includes short-term educational programs developed by Innopolis University for its corporate clients.

108 programs

33 teachers: professors teaching at Innopolis University with professional experience in IT; External experts: Sergey Marin (Big Data School), Anna Melekhova (Yandex), Sergey Trushkin (RDTEkh), Roman Shelekhov (Redmadrobot).

1270 trained people from 11 companies: Megafon, Polymedia, Sberbank, Sberbank Technologies, Rostelecom, Auchan, Vimpelcom, MTS IT, Norilsky Nickel, RusHydro, VTB.
14 modules in the program
Each module can be improved and customized according to the requirements and needs of specific sectors.

- IT Management
- Project Management
- System Programming
- Big Data Management
- Technology Entrepreneurship
- Cloud Technologies and Data Virtualization
- Management and Programming of Industrial Robots
- Information Security Management
- Machine Learning
- Interface Design
- Software Engineering Management
- Virtual Reality
- Applied Technologies in IT
- Enterprise Cybersecurity Management

Yulia Astafyeva
Lead Manager for Business Development

This year we have secured a foothold in the market of corporate education services. Today the University has loyal customers and joint projects that allow employees of top Russian companies to develop IT competencies. Promotion of digital literacy among employees is one of the key trends in modern business, and we help our clients to achieve this goal. By involving Innopolis University faculty members and external experts, we have been able to introduce international experience and practice-oriented Russian expertise in business.

Olga Zinchenko
Head of Personnel Recruitment, Training and Development at Megafon PJC

Megafon and Innopolis University have been cooperating as part of the IT Business Module since August 2017. It is important that the project is focused both on technical experts and business leaders. Further, the major benefit of the program is that our employees are provided with unique content, international expertise and a comfortable study environment.
Centre of Special IT Training

Experts at the Centre provide training to professionals willing to work in resident companies of the Innopolis Special Economic Zone, and help them build professional competencies and acquire additional skills to deal with new tasks in IT.

The Centre for Special IT Training has been successfully operating since 2016.

12 000 applicants
230 graduates

80% graduates employed by Sberbank Technologies, Voskhod, I-Teco, MTS, Rostelecom, Yandex, Ak Bars Bank
4
Programs of advanced training in the most in-demand industry areas:

Java Enterprise Edition Developer

Developer of Corporate Mobile Apps for Android

Corporate Software Tester

IT Project Leader

Alexander Dolgoborodov
Head of the Centre for Special IT Training

The Centre has an excellent team able to deal with the most challenging tasks. In 2017, we launched 4 additional vocational education programs on Software Engineering in Java, Mobile Development, Software Testing, and IT Project Management. Each program is designed together with industry partners of Innopolis University to keep up with the current needs of IT companies in terms of the level of competence and period of training. Compared to 2016, this year we have increased the number of trained professionals to 170. These graduates established the basis for new expert teams in IT companies located in Innopolis, thus making a great contribution to the city’s development.

Mikhail Biryukov
Senior Software Engineer at Sberbank Technologies

The courses offer an advanced level of training. Further, the program is comprehensive and sophisticated enough to make the trainees devote all their time to studies, and therefore achieve impressive results.
Labour Force for the Digital Economy

169 students finished training in 2017
168 graduates employed
1 graduate is doing military service in a research unit of the Military Academy of Communication

Students of Innopolis University work in resident companies and partners of Innopolis Special Economic Zone:


Students of Innopolis University are employed as:

- Mobile Apps Developer
- Software Engineer
- Analytics
- Senior Developer
- Robot Programmer
- Developer
- Researcher at Bachelor’s Degree Program
- Junior Developer and Researcher
- Project Leader
- Project Manager
- Director General
- Research Engineer
- Technical Director
- System Administrator
- Lead Testing Engineer
- Mesh Networks Team Leader
- Software Engineer Senior
- Testing Engineer
- Software Engineer
- Analyst
3 startups designed by graduates: 
BeTrip, InTour24, Anybots
Resource Centre

Since June 2017, the Resource Centre has been helping business representatives to find candidates for job openings among the students of Innopolis University, and to organize industrial projects in companies. Working on joint projects, teams of students deal with business cases under supervision of Innopolis University mentors.

For business

Students of Master’s degree programs in Software Engineering and Secure System and Network Engineering helped to solve 16 challenges offered by IT companies, in particular MTS, Kaspersky Lab, Visiology, Open Mobile Platform, Kamaz, Ak Bars Bank, etc.

Igor Katykov
CEO at Tinkoff Software Engineering Centre in Innopolis

We highly appreciate young professionals, and start cooperating with them at an early stage of their university studies. The idea of developing industrial projects seemed innovative so we took it up. In fact, it has a great chance of being more successful than conservative approaches that involve student practice. So, we have chosen one of the top challenges for our industrial project — students are developing a browser application able to check the spelling in chats for our bank officers.
For students

The Resource Centre keeps the students fully updated about the situation with the labour market, and helps them to write a good CV. During the open lectures and career fairs organized by the Centre, Bachelor ‘s and Master's degree students learn about employment requirements and the technologies used by companies.

The Resource Centre is Innopolis University Division helping students to find their first job. Our task is to make sure that by the year 2018, 100 % of students will receive job offers before they finish their university studies. In this case, they will not waste months seeking a job after graduation.

We analyze the job placement process, striving to enhance it and speed it up.
Internships

288 successful internship placements

Administrative internship
1st year Bachelor's degree students

Innopolis University

33 Office of Student Development and Support
26 Office of Information Technology
6 Office of Subject-Oriented Academic Competitions
6 Enrolment and Admission Office
6 Education Quality Assurance Office
5 Project-Oriented Academic Competitions Office
5 Office of Entrepreneurial Development
3 Office of Software Development and Support
1 Partner Services Office

Innopolis city administration

12 Mayor's office

Internships are arranged in accordance with the rules and regulations at each year of study:

- 3rd year Bachelor's degree and 1st year Master's degree students do an industrial internship in companies and a research internship in the laboratories of the University.
- 1st year Bachelor's degree students do an administrative internship and deal with internal IT tasks of the university subdivisions.
Industrial Internships
3rd year Bachelors and 1st year Masters

IT companies

7 Samsung R&D Russia
6 Warefly
5 MTS
5 TGT Oil
4 4 GD Forge
4 4 Innodata
4 4 Uvee
4 4 SKB Kontur
4 4 Yandex
3 3 Abbyy
3 3 Servionika
3 Positive Technologies
3 Speakphone
3 Units
3 Administration of Bugulma Region
2 InnoSoft
2 Acronis
2 Digital Security
2 Dooglys
2 P2P Technologies

Research Internships
3rd year Bachelors and 1st year Masters

Research labs at Innopolis University

20 Intelligent Robotic Systems Lab
11 Software Design, Models and Architectures Lab
10 Machine Learning and Knowledge Representation Lab
9 Cognitive Robotic Systems Lab
8 Network Science and Information Technology Lab
7 Software Engineering Lab
6 Industrial Production of Software Lab
5 Artificial Intelligence in Game Development Lab
5 Intelligent Transport Systems Lab
4 Cyber-Physical Systems Lab
3 Centre for Business Process Automation
1 Centre for Modeling and Analysis of Big Data in Finance and Economy

Foreign research organizations

1 Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences
1 Radboud University, the Netherlands
HR Policy

24 employees received promotion

23 employees were involved in job rotation

190 people successfully completed the annual HR evaluation

Aliya Samatova
Director for Development and HR Policy

In 2017, we organized 450 interviews and hired 94 new employees, including 62 people to work on research projects and grants. Today the University team includes 332 members.

This year 49 employees from Krasnodar and Primorsky Krai, Arkhangelsk Oblast, and Yakutia received accommodation in Innopolis and moved to the city. By the end of 2017, the city accommodated over 148 families of employees.

#1

Innopolis University — Best Employer 2017

The Leadership of Global Education Program — a government funded program that offers Russian citizens opportunities to study abroad — recognized the Russian IT University as the best employer according to results of its 3-year activity.
I became a part of Innopolis University in 2012. Back then hardly anyone believed that we would be able to establish a world-class IT University. It has been five years since we have built a team of highly skilled professionals and joined the list of the top-5 universities according to results of the Unified State Exam achieved by first-year students. Faculty members of Innopolis University are leading researchers in cybersecurity, software engineering and Robotics, having had a hands-on experience in the top-50 international universities.

These people help the University to improve the quality of training and research. The team of Innopolis University looks ahead to the issues that will be popular among society in future years. By analyzing high-technology trends, we developed the world’s first complex Master’s degree program in Blockchain, which truly shows that the University is moving in the right direction.
13 Laboratories:
Industrial Production of Software Lab
Software Engineering Lab
Software Design, Models and Architectures Lab
Artificial Intelligence in Game Development Lab
Cloud Systems and Service Virtualization Lab
Intelligent Transport Systems Lab
Network Science and Information Technology Lab
Cyber-Physical Systems Lab
Cybersecurity and Networks Lab (New)
Cognitive Robotic Systems Lab
Machine Learning and Knowledge Representation Lab
Intelligent Robotic Systems Lab
Data Science and Information Systems Lab

New opening: Cybersecurity and Networks Lab

Head: Athanasios Vasilakos

Goal:
Designing techniques to provide security with various network resources against cyber threats; to guarantee the confidentiality, integrity and availability of various network resources using different techniques such as encryption, access control, hashing, digital signatures and redundancy.

Tasks:
Designing protocols for cyber threat detection and analysis.
Intrusion detection using machine learning techniques.
Anomaly detection using Programmable Logic Controllers (PLC).
Designing user authentication protocols for the Internet of Things and Industrial Internet of Things.
Designing access control protocols for the Internet of Things.
Designing user authentication protocols for the health care domain.
Designing authentication and key management protocols for fog computing environment.
Designing authentication protocols for cloud assisted computing environments.
Achievements of Laboratories

Industrial Production of Software Lab

- Research paper on developers' concerns has been accepted at the ACM SIGSOFT Symposium on the Foundations of Software Engineering, an internationally renowned forum for researchers, practitioners, and educators in the field of Software Engineering.
- Research paper on a new approach to non-invasive measurement of software development process has been accepted at the 33rd ACM SIGAPP Symposium on Applied Computing.
- Research paper on reliability of open-source mobile operating systems has been published in high-ranked journal Information Sciences.

Cybersecurity and Networks Lab

- 5 papers accepted by IEEE journals
- 7 projects submitted to the Russian Science Foundation

Athanasios Vasilakos was declared a 2017 Highly Cited Researcher in Computer Science by Web of Science.
Software Engineering Lab

Publications

-The laboratory presented results of its work at 13 conferences.


Cyber-Physical Systems Lab

- Analysis of concurrency bugs in open source systems.
- Initial definition of a new Agile approach for the development of critical systems.
- Investigation of different maintenance approaches.
- Definition of a data collection and analysis architecture.
- Analysis of sensor data with machine-learning approaches.
- Analysis of the adoption process of the Agile methods in different companies.

Machine Learning and Knowledge Representation Lab

- Collaboration with Innosoft on designing an emergency detection system for detection and localization of car accidents using outdoor traffic cameras.
Software Design, Models and Architectures Lab

Developments

✓ Developing methods for expressing and verifying embedded software requirements.

✓ Introducing a static type-checking prototype for Jolie service-oriented programming language.

✓ Researching of microservice-based IoT for smart buildings.

✓ Designing tools for protecting IoT devices against DDoS attacks.

✓ Developing a physical engine and gene expression for modeling biodynamics as part of BioDynaMo project.

Publications

✓ The laboratory released the first ever detailed research on the microservice architecture that received 100 citations in a few months.

Workshops and seminars on application of agile methods in project management for Megafon and DevOps training sessions for developers from Beeline.

Artificial Intelligence in Game Development Lab

Publications

✓ Research papers authored by members of the Artificial Intelligence in Game Development Lab were published in Proceedings of EuroStar (European Conference on the Applications of Evolutionary Computation), Proceedings of 13th AAAI Conference on Artificial Intelligence and Interactive Digital Entertainment AAAI, Proceedings of 9th Computer Science & Electronic Engineering Conference.

✓ Joseph Brown, Head of the Laboratory, became an editor of SEEDS Journal issue 2.
Developments

The Intelligent Transport Systems Lab started cooperating with RoadAR on developing algorithms for autonomous navigation. The parties submitted a joint research paper on Bayesian Localization for Autonomous Vehicles using Sensor Fusion and Traffic Signs to ICRAI 2017 in Shanghai, China.

Speeches and Reports

Yaroslav Kholodov, Head of the Intelligent Transport Systems Lab, wrote a report on Optimizing Urban Highways through On-Ramp Traffic Light Control at the ITS European Congress in Strasbourg, Germany.

Andrey Alekseenko, researcher in the Intelligent Transport Systems Lab, wrote a report on Adaptive Traffic Light Control on Highway Entrances at IEEE 20th International Conference on Intelligent Transportation in Yokohama, Japan. Also, Andrey won a Data Mining Hackathon held as part of this conference.

Yaroslav Kholodov became an organizer and a deputy chair of the Program Committee at the V International Applied Research Conference iTS Forum — Kazan.
Network Science and Information Technology Lab

Publications

✓ Network Science and Information Technology Lab presented papers at 9 international conferences, in particular, 13th AAAI Conference on Artificial Intelligence and Interactive Digital Entertainment, 31st British International Conference on Databases, APWEB-WAIM Joint Conference on Web and Big Data, etc.

✓ Research papers authored by members of the Network Science and Information Technology Lab were published in IEEE Communications and included in Proceedings of the 85th Vehicular Technology Conference (VTC), and Software Engineering for Defense Applications (SEDA).

Cloud Systems and Service Virtualization Lab

Developments

✓ Finished and delivered a project on Development of the New Generation of Cloud Technologies for Data Storage and Management with Integrated Security System and a Guaranteed Access and Fail-Safe Level.

✓ Implemented a project on an interactive portal with a map of available gas reserves in the Republic of Tatarstan. Users of the portal can submit e-papers to get connected to the gas network.

✓ Launched the development of a platform for general services of geoinformation systems.
Research Publications and Grants

1 213,1 млн ₽  
received grant funding

3 987 млн ₽  
amount to be received from pending grant applications

6 841,5 млн ₽  
total amount of money within submitted grant applications

9  
grants received

27  
grant applications under expert review

67  
grant applications submitted
<table>
<thead>
<tr>
<th>Publications</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scopus</td>
<td>1</td>
<td>5</td>
<td>41</td>
<td>73</td>
<td>74</td>
</tr>
<tr>
<td>Web of Science</td>
<td>0</td>
<td>3</td>
<td>33</td>
<td>62</td>
<td>41</td>
</tr>
<tr>
<td>Russian Science Citation Index</td>
<td>0</td>
<td>2</td>
<td>3</td>
<td>12</td>
<td>15</td>
</tr>
</tbody>
</table>
International Cooperation

36 academic partners

9 new academic partners

- Dublin Institute of Technology, School of Computing (Ireland)
- Indian Institute of Technology Madras (India)
- University of Ljubljana (Slovenia)
- National Academy of Sciences of Belarus, United Institute of Informatics Problems (Belarus)
- University of Novi Sad (Serbia)
- Grenoble Institute of Technology (France)
- University of Trento (Italy)
- University of Bologna (Italy)
- Indian Institute of Technology Kharagpur (India)

Erasmus+ program

In December 2016, Innopolis University and Dublin Institute of Technology won a joint Erasmus+ grant aimed at fostering staff mobility for organizing seminars, joint research, exchange of experience, and training.

In the framework of this program, the sides conducted the following activities in 2017:

- 2 faculty members from Innopolis University visited Dublin Institute of Technology;
- Innopolis University received two faculty members from Dublin Institute of Technology.

In June 2017, Innopolis University and Middle East Technical University (Department of Computer Engineering) won a joint Erasmus+ Student Mobility grant.

Within the grant, participants of mobility are to receive financial support covering traveling expenses and a monthly allowance. Michael Berdyshev, a 4th year student at Innopolis University, became the first participant of the program during the Fall semester, 2017.
Student Exchange

Outgoing

Spain
- Harbour.Space — University for Technology and Design
- Polytechnic University of Catalonia

Italy
- Polytechnic University of Milan
- Sapienza University of Rome

Singapore
- National University of Singapore

Turkey
- Middle East Technical University

Austria
- Seoul National University
- University of Innsbruck

Incoming

Russia
- ITMO

Spain
- Polytechnic University of Catalonia
2

Innopolis University students
did research internships abroad:
Chinese Academy of Science and Radboud University (The Netherlands).

1

Bachelor’s degree student from the University of Strasbourg
had a two-month internship in the Intelligent Robotic Systems Lab of Innopolis University

7

Incoming exchange students
visited Innopolis University in 2017. The students represented ITMO and Polytechnic University of Catalonia.

Joint research supervision

University of Southern Denmark and Innopolis University launched a joint PhD supervision program for Larisa Safina, a researcher in the Institute of Technologies and Software Development.
University Rankings

Innopolis University successfully submitted information on its work to the following international university rankings: QS World University Rankings, Times Higher Education, Webometrics Ranking of World Universities, Round University Ranking, U-Multirank.

Sergey Karapetyan
Acting Director for International and Academic Cooperation

Innopolis University is an extremely young IT University. That is why it is difficult for the University to enter leading international university rankings focused on Computer Science. Those ranking systems have the following eligibility criteria: number of educational programs, and number of graduated Bachelor and Master students. Nevertheless, we strive to enter the leading rankings, and always submit all necessary information. Thus we can receive valuable feedback on different indicators, allowing us to adjust our work based on the feedback. Entering international university rankings will help Innopolis University to recruit the best foreign students and staff, raise awareness about the University, and prove its reputation. Therefore, the University is developing all areas necessary for entering the leading rankings: publications and citations, internationalization, international academic reputation, and cooperation with IT industry.
Features of Education

Bachelor’s degree

Bachelor’s degree in Computer Science

During the first two years, students take fundamental courses in Engineering, Mathematics and Computer Science. In 3rd and 4th year, students can choose one of the following tracks: Software Engineering, Data Science, Robotics and Artificial Intelligence.

In December a new educational track on Financial Technology was launched together with Sberbank Technology. After interviewing 36 third year students, 16 were selected to join the track.

Computer Science profile

In November the University together with Skolkovo Institute of Science and Technology (Skoltech) launched a new Bachelor’s degree profile. Skoltech faculty members selected 56 students who are currently doing their 1st-3rd year at Innopolis University. After finishing the bachelor’s degree at the University, in the framework of employment obligations under the educational grant they will have a chance to enter a Master’s degree at Skoltech.

Master's degrees

Master’s degree in Data Science

The program includes disciplines covering competencies that are necessary in the interdisciplinary field of Data Science. The teaching method helps students to develop practical skills in solving business tasks related to Big Data. Graduates obtain knowledge in Informatics, Data Mining, and Entrepreneurship.

Master’s degree in Secure System and Network Engineering

The curriculum was developed in partnership with high-technology companies. It includes 9 courses providing knowledge that allows students to become experts in information security. These courses cover basics of security, cybercrimes and criminalistics, distributed systems, advanced security, and network technologies. Graduates are qualified enough to build corporate and private systems fulfilling modern requirements for cybersecurity.
Master’s degree in Robotics

The educational program, developed together with IT companies, is based on current business needs, and provides students with basic competences in Informatics, Robotics, and Programming. The program is aimed at training experts able to become leaders of international teams in Robotics and Artificial Intelligence. An essential part of the program is a thesis focused on real industrial cases. This project helps students to improve their teamwork skills and gives them practical experience.

Courses

<table>
<thead>
<tr>
<th>Year</th>
<th>Core</th>
<th>Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015-2016</td>
<td>34</td>
<td>84</td>
</tr>
<tr>
<td>2017-2018</td>
<td>118</td>
<td></td>
</tr>
</tbody>
</table>

Master’s degree in Software Engineering

The program is designed for experts who already have had industrial experience in Software Engineering. The courses cover knowledge that will help students to have a thorough understanding of different software development stages, and to become a team leader, a software architect or a project manager. The purpose of the final team project is to check how knowledge and skills gained at the University help to deal with the real-life challenges of an IT company.
Core courses:

- Data Structures and Algorithms
- Data Structures and Algorithms II
- Introduction to Programming I
- Introduction to Programming II
- Discrete Math / Logic
- English I
- English II
- Computer Architecture
- Linear Algebra
- Calculus I
- Calculus II
- Sport
- Introduction to Artificial Intelligence
- Differential Equations
- History
- Computer Networks
- Operating Systems
- Software Project
- Modern Programming Paradigms
- Theoretical Computer Science
- Information Theory
- Physics
- High Performance Computing
- Software Verification & Testing
- Digital Signal Processing
- Project (DS/SE)
- Advanced Algorithms for Artificial Intelligence
- Linear Systems Theory
- Philosophy Data Mining
- Information Retrieval
- Machine Learning
- Cloud Computing
- Advanced Databases
- Software Architectures
- Lean Software
- Development Introduction to Compiler Construction
- Software System Design
- Control Theory
- English for Academic Purposes I
- Life Safety
- System Identification and Simulation
- Intelligent Mobile Robotics
- Randomized Algorithms
- Fundamentals of Information Security
- Human-Computer Interaction
- Information Retrieval
- Finite-dimensional Continuous Optimization
- Statistics
- Advanced Machine Learning
- Introduction to Personal Software Process
- Methods: deciding what to design
- Software System Design
- Managing Software Development
- Kinematics, Dynamics and Control of Robots
- Computer Vision
- Advanced Robotics Manipulation
- Intelligent Mobile Robotics
- Analysis of Software Artifacts
- Architecture
- Advanced Security
- Cybercrime and Forensic Science
- Cyber-attacks Technology
- Cloud Computing
- Systems and Networks Security
- Classical Internet Applications
- System and Network Engineering
- Distributed Systems
- Front-End Web Development
- User Experience and User Interface
- Design Fundamentals
- Algorithms of Machine Learning
Elective courses:

- Introduction to IT Entrepreneurship
- Introduction to Communication
- Venture Capital Hacks: From Zero to Negotiating an Investment Deal
- Industrial C++
- eSports Industry: Marketing, Economy and Game Design
- Art of Photography
- Innovative Agile Software Development Methodology for High Reliability & Mission Critical Applications
- Formal Software Development of Android Apps
- Communication for Startups: From Bootstraps to Global Markets
- Natural Language Processing and Machine Learning
- International Trade: Procedures and Regulations
- Lean Startup Methodology
- Introduction to Convex Optimization
- Digital Signal Processing
- Reverse Engineering
- Concurrent Object-Oriented Programming with SCOOP
- Acting and Scenic Speech Training
- Fundamentals of Information Security
- The Principles and Practice of Import/Export
- Entrepreneurship
- Pattern Oriented Design
- Perspective Directions of Software System Design
- Practical Artificial Intelligence
- Advanced Algorithms for Artificial Intelligence
- Product Design Human Computer Interaction Design
- Human Computer Interaction Design for AI
- Industrial Programming in Java
- Distributed Systems and Middleware: Patterns and Frameworks
- Procedural Content Generation in Games
- Negotiating Processes for the Promotion of Cooperation and Human Rights in International Regimes History
- Fearless Ideas
- Decentralized Applications on Ethereum Platform
- Industrial Software Testing
- Introduction to Career Development
- Bitcoin and Cryptocurrency Technologies
- Managing Software Development
- Philosophy of Information
- Functional Programming and Scala Language
- Digital Innovation and Entrepreneurship
- Human-oriented Design (Usability)
- Economics of Entrepreneurship
- Ethics and IT
- International Business: Legal Essentials
- Windows Kernel: Architecture and Drivers
Education Quality Assurance

Assessment of all taught courses — peer visits to classes given by the faculty members and staff.

Assessment of open lectures given by candidates for a teaching position at the University.

Mid-term — conducting an interim evaluation of knowledge received by students.

The main aim is to evaluate the academic progress. Information on mid-term results helps to identify students who require additional attention, such as mentorship, professional orientation meetings, and social and psychological support.

Mid-term meetings with students — meetings between faculty members and a student representative in the mid-semester. The main aim is to receive valuable feedback and improve an ongoing course.

Anonymous student survey on faculty members and the teaching quality — conducted after each semester, and before exams.

An anonymous student survey on the quality of courses taken — conducted after each semester, and before exams. Feedback and suggestions are provided to faculty members and staff, to improve further work.

Anonymous student survey on the quality of the educational process at the University.
Faculty reflection — collection of information from faculty members on a taught course, its problems and planned changes. Conducted right after the semester and exams are over.

Comprehensive exams — exams that cover materials of several core courses. Based on these exams, university staff evaluate students' knowledge acquisition over two study years.

During semesters, faculty members and TAs manage all courses via the Moodle learning management system, and track students' activity.

Unified window that allows students to send their queries on the educational process — education@innopolis.ru.
Student Affairs, Support and Development

Informational support
A ticket system was introduced to help students send their questions, comments and requests via Telegram bot and email.

- 396 students have used the system
- 26% students have used it at least twice
- 1 working day — processing time of one query
- 5 working days — solving an individual problem

Psychological support
In 2017, a professional psychologist joined the university team

- 170 individual consultations with students and staff, 48% of them being repeated meetings
- 8 open training sessions for students on development of personal competencies
- 2 end-to-end monitorings to check students' psychological comfort

Student Association

- For the first time, blockchain technology was used during the Student Association election.
- 10 student events: Independent Activity Weekend, Halloween, New Year Show «While Everyone is Coding», Guitar Evening, Independent Activities Weekend, InnoCyberCup, Poetry Evenings, OWN.Space Hackathon, St. Valentine’s Masquerade Ball, "Mad Tea Party" etc.
- The first Award Ceremony was organized by students — The Best TA 2016/2017.
- Innopolis University graduates conducted 3 lectures on soft skills development.
- 6 student projects in the framework of the off site school "Students’ Escape".
- 8 open lectures in the framework of "Tutorship" program.
- 2 eSport tournaments.
Student Clubs

- 43 new student clubs
- 2 student club festivals: 400 participants
- In 2017, students opened a musical room. The room was crowdfunded. It was the first large-scale crowdfunding initiative and was supported by Innopolis students, staff and dwellers.

Innopoints System

Within a special Innopoints system, students receive rewards for all extracurricular achievements and volunteer activities.

- 610 active participants
- 670 479 Innopoints received by the students for 1 285 achievements
- 345 prizes

InnoBootCamp2017

A special orientation program was organized for 250 new bachelor’s degree students. The freshmen learned about the educational process at the University, met each other, and chose a strategy of personal development at Innopolis University.

Participation in external events and competitions

Innopolis University supported students’ participation in 30 external competitions, hackathons and Olympiads as well as in 20 academic events.
Pre-University Training and Olympiad Movement

278 participants from Tatarstan took part in 6 training camps on Informatics and Mathematics

- 5 camps on Informatics: 238 participants
- 1 camp on Mathematics: 40 participants

350 schoolchildren studied Maths, Programming and Robotics in the STEM-Centres

512 schoolchildren from 38 regions and 3 CIS countries participated in 9 schools of Olympiad training

- 1 training-selection camp on Robotics: 70 participants from 19 regions of Russia
- 2 Schools of Olympiad training on Mathematics: 70 participants from 12 regions of Russia and 1 CIS country
- 2 Schools of Olympiad training on Informatics: 164 participants from 27 regions of Russia and 3 CIS countries
- 2 Schools of Olympiad training on Robotics: 158 participants from 12 regions of Russia
- 1 School of Olympiad training on the National Technology Initiative's profile «Intelligent Robotic Systems»: 30 participants from 5 regions of Russia
- 1 School of Olympiad Training on Blockchain: 20 participants from 7 regions of Russia
Achievements of schoolchildren trained at Innopolis University

The International Tournament in Informatics, Bulgaria

- 5 gold medals
- 3 silver medals

All-Russian Olympiad for schoolchildren in Informatics

- 21 schoolchildren from Tatarstan in the final stage
- 4 schoolchildren from Tatarstan — candidates for the Russian national team in the international stage

European Junior Olympiad in Informatics

- 1st place in the medal table
- 3 gold medals
- 1 silver medal

The team was formed during the summer interregional camp organized by the Central Subject-Methodical Commission together with Innopolis University and Innopolis Lyceum.

Training courses for teachers in Robotics and Blockchain Technology

- 130 participants from 37 regions of Russia
- 32 courses
5 Olympiads at Innopolis University

Innopolis Open is an open Olympiad in Informatics and Mathematics for schoolchildren organized by Innopolis University

Among participants of the finals: 3 gold medals in IOI, 16 winners and 65 awardees in the Innopolis Open Olympiad.

The Olympiad was included in the list of school Olympiads for 2017/2018. Informatics profile received 2nd category, Mathematics profile received 3rd category.

4881 schoolchildren from 44 countries registered for the selection stage of the Innopolis Open 2018, 540 schoolchildren were invited to the final stage in 2018: 385 from Russia, 93 from 6 CIS countries, 62 from other foreign countries.

Olympiad of the National Technology Initiative in Intelligent Robotic Systems

Following the results of the 2016/2017 academic year, the profile received 3rd category from the Russian Council of School Olympiads. It means that winners will automatically receive the maximum grade of 100 points in the Unified State Exam in informatics.

- 3 600 participants in the selection stage in the academic year 2016/2017
- 40 final participants in Sochi
- 600 participants of the second stage

341 participants
13 countries
2 sites:
Innopolis and Minsk
The final stage of the XXIX Russian Olympiad in Informatics and ICT for schoolchildren

257 middle and high schoolchildren from 50 regions of Russia competed for a chance to represent the country on the 29th International Olympiad in Informatics (IOI) in Iran.

Olga Vasilyeva, Minister of Education and Science of the Russian Federation, sent a letter of appreciation to Innopolis University for conducting the Olympiad.

The first Russian Fintech Olympiad

9–11 grade schoolchildren developed an intelligent system for client communication — a chat bot. It was based on the data provided by the Olympiad’s partner the Ural Bank for Reconstruction and Development. In 2017/2018 academic year the Olympiad became a profile of the National Technology Initiative.

- 300 participants of the selection stage from 40 regions of Russia
- 22 participants of the final from 11 regions of Russia

Russian Robot Olympiad

Starting from 2014 Innopolis University became a national organizer of the World Robot Olympiad (WRO) in Russia. In this status the University organizes the national stage, forms and trains the national team for participation in the international stages of WRO.

- 53 regional stages
- 10,000 participants of the selection in Russia
- 589 participants of the Russian Robot Olympiad
- 15 categories overall, among them three are new ones: flying, autotransport and industrial intelligent robotic systems
World Robot Olympiad

Russian national team — 18 teams from 10 regions of Russia

First place in the medal table

- 5 gold medals
- 1 silver medal
- 3 bronze medals
University Events

152 events were conducted

18 376 guests visited the IT University

82 external events

121 delegations

32 guest lectures

Andy Tryba
Founder & CEO of Crossover
Open lecture

Nektarios Benekos
Senior Project Manager in CERN
Open lecture

Oliver Hughes
Chairman of the Management Board of Tinkoff Bank
Meeting

Vitalik Buterin
Co-founder of Ethereum
Open talk

Andrei Bezrukov
Advisor to the President in "Rosneft"
Open lecture

---

Adil Adelshin
Head of Events Management Office

Every year the number of events organized by the University increases. The number of guest lectures has already doubled. Innopolis University is popular among companies and organizations that are looking for a place to organize an event, because it has very convenient logistics, and facilities that can be easily adjusted to the needs of organizers.

We are ready to host even more events, forums and interesting speakers at Innopolis University, becoming better recognized in educational and business spheres.
Main Events

Final stage of the All-Russia Olympiad on Informatics for schoolchildren
550 participants and guests

RIGF Russian Internet Governance Forum
300 participants and guests

CIPR Conference
3500 participants and guests

Final stage of the Russian Robot Olympiad 2017
3500 participants and guests

Russian Youth Architectural Biennale
500 participants and guests

DigitalSkills — the first IT-Championship based on the WorldSkills standards
1500 participants and guests
Media and Popularization of IT

Media publications
according to Mediology and Ex Libris

2017 4 098
59 % regional media
37 % federal media
4 % international media

2016 2 177

2015 1 229

Monthly search queries
for the term "Innopolis University"

December 2017 2 294
December 2016 1 477
December 2015 1 015

Coverage: 3 746 158
Subscribers: 21 100
Viewing time: 316 823 мин
Views: 114 865

Coverage: 223 467
Subscribers: 2 070

Coverage: 2 414 063
Subscribers: 4 690
Views of publications: 131 991
Робот «Гагарин» понимает эмоции человека
В России создали андроида, который в перспективе сможет работать в сфере обслуживания и обучать людей

Сквозные технологии в информационной безопасности
Доктор технических наук, профессор, руководитель Центра информационной безопасности Университета Высшей школы экономики Сергей Петров на форуме "Армия-2017" дал интервью радио Sputnik и рассказал об основных технологиях обеспечения безопасности.

Россияне получили серебро за разработку систем для беспилотников
Международный конкурс по распознаванию объектов для автономных авто прошел в Кремлевской долине
Educational Game about Technologies

Members of the PR Office developed an educational game for iOS and Android.

To bring back life on the Earth after a series of cataclysms and catastrophes, players must discover 300 elements connected to technologies, science and geek culture.

Download for free:
2ndchance.university.innopolis.ru
320 000 downloads in App Store and Google Play

122 walkthrough videos

140 000 views of these videos

Timur Fazullin
Head of Public Relations Office

We had a very ambitious aim — to develop a project that will help to popularize IT, i.e. explain to people who are not involved in the IT field about IoT, Blockchain, Darknet, Logic bomb, etc. It’s easier to understand new complicated concepts, when they are given in an interesting and logically related form. That’s why we developed an exciting game, that was twice among the top puzzle games on Google Play.
The book "Learning Agile" was released in cooperation with MIF publishing house.

To support the release of "Learning Agile", the PR Office together with Habrahabr, the largest IT community in CIS, and MIF publishing house held a competition on social networks.

1 380 reposts of the book publication

1 250 500 overall number of viewers

Graphic Design

1 235 presentation slides

366 pages of printed materials

19 logos

17 brand styles
Information Partnership

25

Russian IT conferences, hackathons and thematic events were conducted with the informational support and partnership of Innopolis University

- IoT World Summit Russia
- Days of popular science movies
- eSports competitions Dnevnik.ru and Selectel "Clash of Schools"
- Robotics Expo 2017
- #GoTech
- "proeKTOriA"
Contacts

Centre for Special IT Training
stc@innopolis.ru
+7 (843) 203-92-53 ext. 258

IT Business Module
itbm@innopolis.ru
+7 (843) 203-92-53 ext. 257

STEM-Centres
stem@innopolis.ru
+7 (843) 203-92-51

For Press & Media
pr@innopolis.ru
+7 (843) 203-92-53 ext. 117

university@innopolis.ru
1, Universitetskaya Str., Innopolis, 420500, Russia

+7 (843) 203-92-53
Admission — ext. 191
Faculty Recruitment — ext. 139
HR Department — ext. 188
International and Academic Cooperation Office — ext. 173