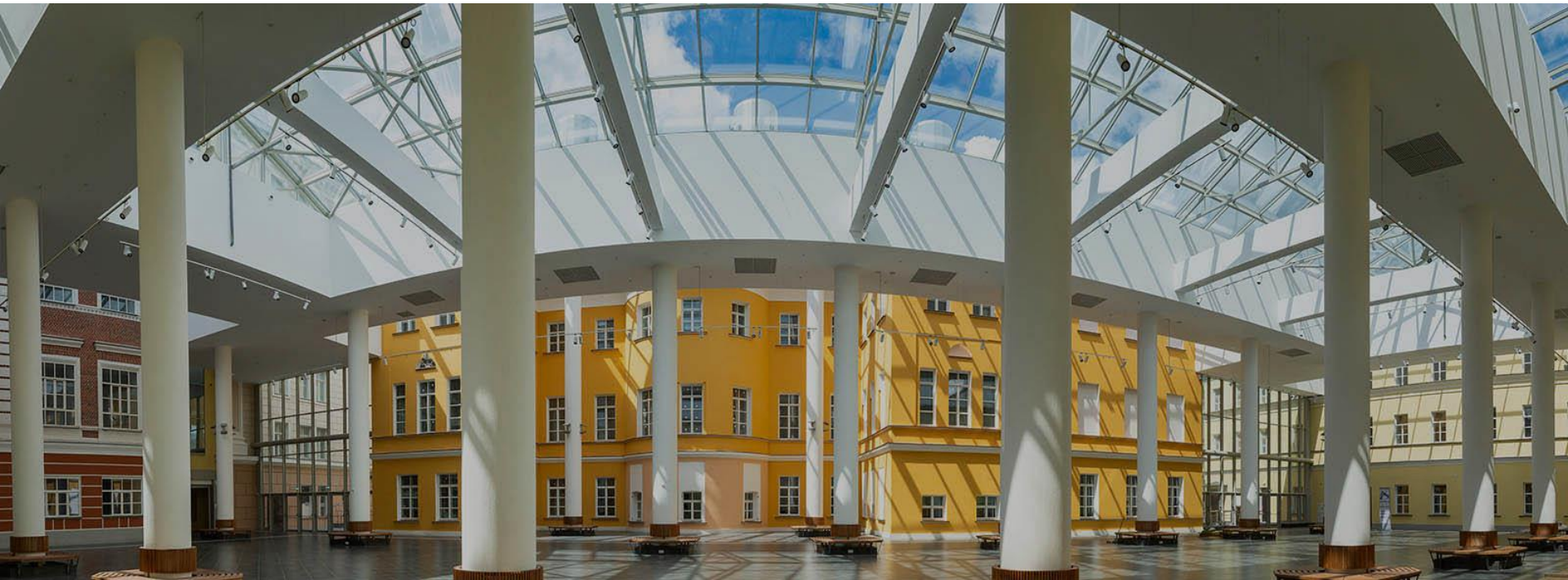




Faculty of Computer Science



Faculty of Computer Science

Established in March 2014

4

Bachelor's
Programmes

1

Research centre

8

Master's
Programmes

12

Laboratories

1

Doctoral
School

6

Russian Science Foundation
grants

2751

Students

396

Faculty Members

177

Foreign
Students

19

Vocational education
programmes

Bachelor's Programmes

Data Science and Business Analytics



UNIVERSITY
OF LONDON



THE LONDON SCHOOL
OF ECONOMICS AND
POLITICAL SCIENCE

249
students

4
years

English

Applied Mathematics and Information Science

Yandex

1022
students

4
years

Russian
English

Software Engineering



843
students

4
years

Russian
English

Computer Science and Data Analysis

Online programme

80
spots

4
years

Russian

Master's Programmes

Math of Machine Learning

Skolkovo Tech

Skolkovo Institute of Science and Technology

43
students

2
years

English


System and Software Engineering

65
students

2
years

English

Data Science

Yandex 
IITP RAS

180
students

2
years

Russian
English

Financial Technologies and Data Analysis

 **SBER**

93
students

2
years

Russian
English

Master's Programmes

Data Analysis in Biology and Medicine

49
students

2
years

Russian
English

System Programming

ISPRAS

31
students

2
years

Russian
English

Master of Data Science

coursera Yandex

Online programme

199
students

2
years

English

Machine Learning and Data-Intensive Systems

Online programme

30
spots

2
years

English

Doctoral School



PhD in Computer Science

62
students

3-4
years

Russian
English



Theoretical Computer Science

System Programming

Artificial Intelligence

Data Analysis

Coursera Specializations

7

Advanced Machine Learning

Yandex

courses

6

Data Structures and Algorithms

Yandex UC San Diego

courses

5

Introduction to Discrete Mathematics for Computer Science

Yandex UC San Diego

courses

5

Machine Learning: From Statistics to Neural Networks

courses

4

Mathematics for Data Science

In Russian and English

courses

3

Industrial Machine Learning

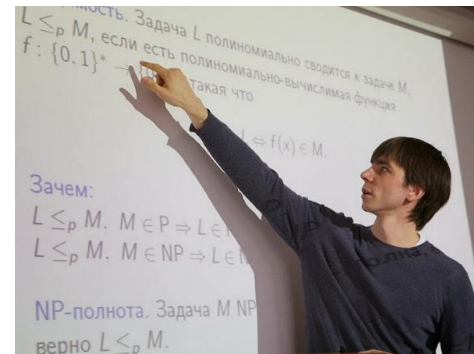
courses



Research

- ▶ Centre of Deep Learning and Bayesian Methods
 - ▶ Laboratory of Financial Data Analysis
- ▶ International Laboratory for Intelligent Systems and Structural Analysis
- ▶ International Laboratory of Stochastic Algorithms and High-Dimensional Inference
- ▶ International Laboratory of Theoretical Computer Science
- ▶ International Laboratory of Algebraic Topology and Its Applications

- ▶ International Laboratory of Bioinformatics
- ▶ Yandex Laboratory
- ▶ Laboratory of Methods for Big Data Analysis
- ▶ Laboratory of Process-Aware Information Systems
- ▶ Laboratory of Complex Systems Modelling and Control
- ▶ Laboratory of Models and Methods of Computational Pragmatics
- ▶ Laboratory on AI for Computational Biology



Joint Departments



Yandex Department



1C Department



Department of Technologies for Complex
System Modelling of the Kharkevich
Institute for Information Transmission
Problems



Department of Intelligent Technologies in
System Analysis Control of the Federal
Research Centre for Computer Science
and Control



SAS Department



OTKRITIE

Bank

Otkritie Bank Department



Department of the Ivannikov Institute
for System Programming



JetBrains Department

Partners



Skolkovo Institute of Science and Technology



Financial Technologies and Data Analysis Joint Master's Programme

- Hand-on work experience with data science experts
- Sberbank covers 100% of tuition fee for students



Projects

- IDA0 2018, 2019, 2020
- Laboratory of Financial Data Analysis

HSE University is LHCb Associate Member at CERN

Laboratory of Methods for Big Data Analysis
(LAMBDA)



Projects

Annual CERN workshops in particle physics

Summer School on Machine Learning
in High Energy Physics

Schools

— Winter School on Math of Machine Learning



— Summer School on Machine Learning in High Energy Physics



— Summer School on Deep Learning and Bayesian Methods



— Summer School on Machine Learning in Bioinformatics

— Autumn School on Applications of Topology and Geometry



Conferences

- A, B and Z: The Structure, Function and Genetics of Z-DNA and Z-RNA conference
- Spring/Summer Young Researchers' Colloquium on Software Engineering (SYRCoSE)
- International Conference on Analysis of Images, Social Networks and Texts (AIST)
- Modeling and Analysis of Complex Systems and Processes (MACSPro)
- International Conference on Computer Simulation in Physics and beyond (CSP)
- International Conference on Topology and Geometry of Group Actions
- Logic Matters research seminar



Rankings



	2018	2019	2020	2021
QS Overall	382	343	322	298
QS Under 50	48	38	38	31
QS Mathematics	101-150	101-150	101-150	95
QS Computer Science	251-300	201-250	151-200	151-200

Rankings



	2018	2019	2020	2021
THE Overall	351-400	301-350	251-300	251-300
THE Under 50	84	60	41	57
THE Computer Science		301-400	301-400	401-500



	2018	2019	2020	2021
ARWU Mathematics	76-100	76-100	101-105	76-100

Foreign Partner Universities

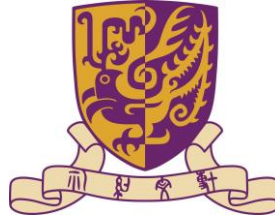


TU/e

A!
Aalto University



POLITECNICO
DI MILANO



UCA
UNIVERSITÉ
Clermont
Auvergne

**TECHNISCHE
UNIVERSITÄT
DRESDEN**

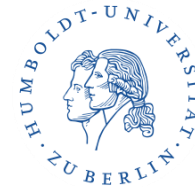



UNIVERSITEIT
GENT



**UP
EM**
UNIVERSITÉ
PARIS-EST
MARNE-LA-VALLÉE

UNIVERSITY
OF TWENTE.



S UNIVERSITEIT
iYUNIVESITHI
STELLENBOSCH
UNIVERSITY **100**
1918 · 2018

Grenoble **INP**

 UNIVERSITÉ
Grenoble
Alpes

UC San Diego

 university of
 groningen


SAN DIEGO STATE
UNIVERSITY

Radboud University



 LUT
University

HSE University
Faculty of **Computer science**

Competitions and Olympiads

Centre of Student Competitions helps students prepare for various competitive programming contests including ICPC, Yandex.Algorithm, Google Code Jam, Russian Code Cup, etc.

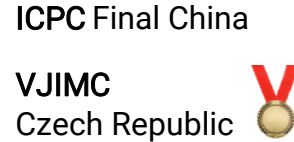
2016



2017



2018



2019



2020



International Data Analysis Olympiad

Key numbers of IDAO 2021

648

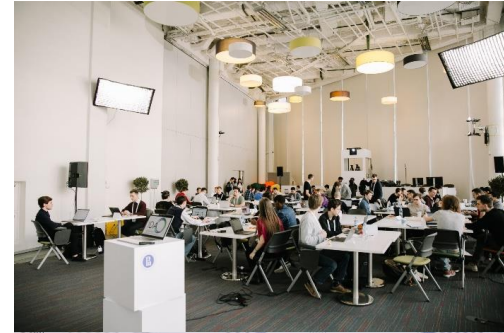
Online Round teams

66

Countries

32

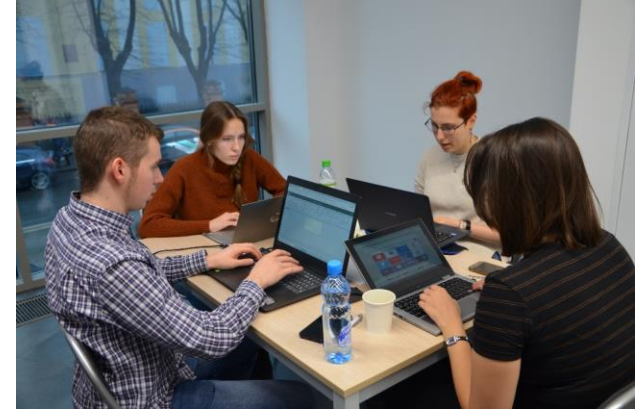
Final Round teams



Yandex

Data Culture

Data Culture project aims at teaching all undergraduate students of HSE University to apply latest data science technologies in their respective fields



Project's aim is to help HSE students develop skills in

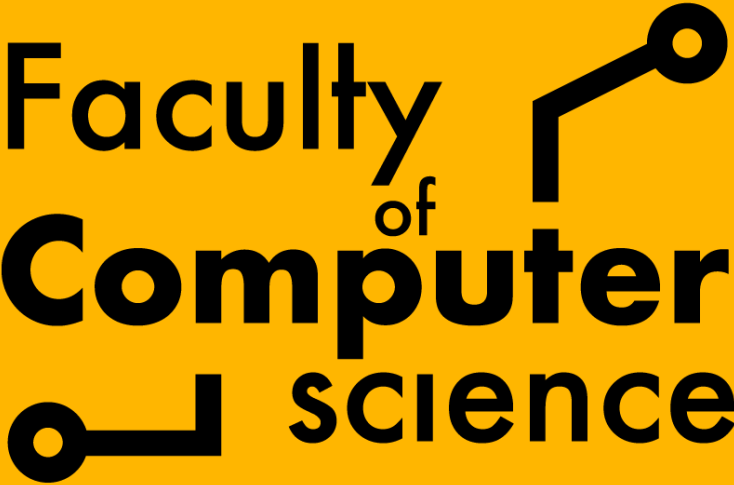


Digital literacy

Programming

Data analysis

Faculty of Computer science

A stylized black graphic on a yellow background, resembling a circuit board or a network diagram. It features several interconnected lines and circular nodes, forming a shape that complements the text 'Faculty of Computer science'.

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facebook.com/hsecs