

ONLINE

WINTER SCHOOL

in Competitive Programming **2021**

COVID-19 and closed borders are not an excuse to study! The world-class experts in the field of Competitive Programming will help you gain knowledge and obtain professional skills from any convenient location for you!

WHEN?

January 11 – 22, 2021

ECTS?

Yes! 3 ECTS + ITMO Official Certificate

FEES?

20,000 RUB (~ 225€)

WHAT TOPICS ARE COVERED?

- Sorting and Binary Search
- Dynamic Programming
- Graphs, Depth First Search, Connected Components and Strongly Connected Components
- Graphs, Shortest Paths, BFS, Dijkstra Algorithm
- Strings, Prefix-function, Z-function, Hashing
- Segment Tree
- RMQ, LCA, Sparse Table
- Geometry
- Minimum Spanning Tree
- Game Theory, Grundy Theorem, Retroactive Analysis of Cyclic Graphs
- Fast Fourier Transform
- Suffix Array
- Maximum Flow Problem
- NP-completeness and Backtracking

How to apply?

1. Application deadline:

December 15, 2020

2. Prepare application documents:

- Copy of your valid passport
- CV

3. Forward application documents to ITMO coordinator:

Mrs. Ekaterina Rassolenko,
e.rassolenko@itmo.ru

4. Receive confirmation of admission and personal agreement

5. Pay tuition fees:

- visit the website <https://pay.ifmo.ru/en/>
- enter your agreement's number and email
- pay tuition fees online by card

6. Receive a link to your ZOOM classes



Check here for
more information!