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!