The International Olympiad in Informatics (IOI)

The International Olympiad in Informatics (IOI) is an international algorithmic and computer programming contest for high school students. This world-renowned contest is held every year in a different country of the world and currently hosts delegations from about 90 countries around the world (maximum 4 contestants per country). The IOI is one of seven international science olympiads for students (the others are in mathematics, physics, biology, astronomy, chemistry, and geography). The Grand Duchy of Luxembourg has participated regularly in the IOI since 1992. The official programming language of the IOI 2023 is exclusively C/C++. The winners of the IOI will be among the best programmers in the world.

The idea of initiating an international olympiad in informatics for school students was proposed to the 24th General Conference of the United Nations Educational, Scientific and Cultural Organization (UNESCO) in Paris by the Bulgarian delegate Professor Sendov in October 1987. In May 1989, UNESCO initiated and sponsored the first International Olympiad in Informatics (IOI), which took place in Pravetz (Bulgaria).

Traditionnally, the 4 winners of the annual Lëtzebuerger Informatiksolympiad (LIO) are automatically selected to participate in the IOI of the same year. In 2024, the 36th edition of this international contest will take place from September 1 to September 8 in Alexandria (Egypt). Thus, the 4 selected contestants will be part of the official delegation (4 students and 2 accompanying adults) to represent the colors of the Grand Duchy of Luxembourg at this world-renowned contest.

From the luxembourgish side, the contestants of the IOI 2024 will receive appropriate training in algorithmics in order to be well prepared for the international event. All information about IOI 2024 can be found on the website **ioi2024.eg**.