The Lëtzebuerger Informatiksolympiad (LIO)

The Lëtzebuerger Informatiksolympiad (LIO) is a national high school programming competition that is organized annually by the non-profit association (a.s.b.l.) of the same name, with the public support of the Service de Coordination de la Recherche et de l'Innovation Pédagogiques et Technologiques (SCRIPT) of the Ministry of Education, Children and Youth and the Centre de Gestion Informatique de l'Éducation (CGIE). Financial support is provided by private sponsors (Telindus, Dupont, Chamber of Commerce, Chamber of Employees), logistical support is provided by the Athénée de Luxembourg and the Bouneweger Lycée Luxembourg.

The Lëtzebuerger Informatiksolympiad is the new version of the former Concours Informatique Luxembourgeois (CIL), organized since 1991 by the SCRIPT respectively the Centre de Technologie de l'Éducation (CTE).

In 2025, the competition is organized for the 34rd time.

The competition aims to identify young students with special skills in solving problems on computers, designing algorithms and implementing programs using a programming language.

The competition is open to all students of public, private and international high schools in the Grand Duchy of Luxembourg, without age limit.

The Lëtzebuerger Informatiksolympiad 2025 is organized in 4 rounds:

- the qualification round;
- the semi-finals;
- the programming and algorithmic trainings;
- the finals.

The programming languages accepted for the qualification round and the semi-finals are C/C++, Java and Python 3 (C/C++ is preferred, due to runtime effectiveness). In the finals, only C/C++ is allowed, which is the official programming language for the international contests.

All information about the competition can be found on the website

www.infosolympiad.lu

Traditionally, the 4 winners of the Lëtzebuerger Informatiksolympiad are automatically selected to be part of the official Luxembourg delegation representing the colours of the Grand Duchy of Luxembourg at the International Olympiad in Informatics (IOI) of the same year. The 4 best girl participants in the national competition will participate in the European Girls' Olympiad in Informatics (EGOI) and at most 6 finalists will participate in the West European Olympiad in Informatics (WEOI).