

FIRST® LEGO® LEAGUE ITALIA

5 March 2022: Genoa, Italy, North West Interregional

The **FIRST® LEGO® League Italia** of science and robotics team competition returns to Genoa with the CHALLENGE 2021/2022 - CARGO CONNECT.

The transport of goods and logistics is the strategic theme on which thousands of young people in Italy and around the world will compete in the **FIRST® LEGO® League** science and robotics competition with the **CARGO CONNECT challenge**, in which 126 school and extracurricular teams made up of girls and boys from 9 to 16 years old have registered.

In last year's edition, the health emergency did not stop the competitions, which were however held online. From this year we are finally back in presence and on March 5th 2022 the North-West qualification for the teams of the Liguria region will take place in Genova, at the premises of the **Centro Civico Buranello - Municipality 2 Centro Ovest**.

The event, which has obtained the patronage of **Regione Liguria** and the **Municipality of Genoa**, has been organised since 2012 by **Scuola di Robotica** in cooperation with **Fondazione Museo Civico di Rovereto**, operational partner for Italy, and this year with **Genova Municipio II Centro Ovest**.

During the day, free workshops will be organised for children, boys and girls, who will be able to approach the world of robotics in a simple and fun way.

FIRST® LEGO® League Challenge is a worldwide competition for successive qualifiers in robotics and science for kids aged 9 to 16. Since 2012 the Referent institution for Italy is the **Fondazione Museo Civico di Rovereto**.

FIRST® LEGO® League deals with real issues and problems such as climate change, quality of life for the disabled, waste recycling, water, solutions for the elderly, space missions, the relationship with animals and much more, with the aim of bringing young people closer to STEM Learning, the learning of scientific disciplines with a Hands-on approach, i.e. not only from books, but with projects and practical activities.

It is articulated in missions with robots, creation of a scientific and technical project, and considers very important Core values, for the enhancement of all skills, team spirit and fair play. National sponsor: Dolomiti Energia, technical sponsor CampuStore.

The event will be open to the public, you can book entry at the link:
<https://forms.gle/jV2qPyq7YY3iNBij6>

Free workshop for kids and teens

Master Robot (ages 10-14) and Master Robot Junior (ages 6-10)

We will challenge each other like Master Chef, but instead of preparing tasty dishes, we will design incredible robots! Taking inspiration from the Master Chef show, participants will have to build robots based on either the "ingredients" provided (Mystery Bots). However, our robots will not have to satisfy gourmets, but will be engaged in solving challenges related to service robotics, in the medical, social, logistical and much more!

Ages 6-10 - MASTER ROBOT JUNIOR...! 2.30 - 3.30 PM

Ages 10-14 - MASTER ROBOT...!! 3.30 - 4.30 P.M.

Robots and Space (ages 6-10) Let's look up: how many types of robots are moving in space above our noses? Rockets and entire robot ships, Space Rovers, Robot Assistants, Robot Repairers and even Robot Sweepers. Between space missions and intergalactic explorations, we will discover how many robots already live in space and together we will invent new ones, to face tomorrow's cosmic challenges with ingenuity.
Ages 6-10 - ROBOTS and SPACE...! 4.30 - 5.30 PM

Robots à la Mac Gyver (age 10-14) Sensors are all around us but we often don't notice them, so in this workshop we will learn how they work. Starting from recycled materials and using robots and the Internet of Things, we will learn how to make and program a Macgyver-style sensor, discovering all the logic behind its operation.
Ages 10 - 14 - MAC GYVER TYPE ROBOTS - 17.30 - 18.30

To enroll to the free labs: <https://forms.gle/f6f7UorH7bfe6r1y6>

In accordance with government regulations, all visitors over 12 years of age must present one of the following certifications to gain access to the event and the workshops: Super Green Pass or certificate of recovery from Covid-19. An FFP2 mask must also be worn. A compliance check will be carried out at the entrance.

Information and contact: info@scuoladirobotica.it

PROGRAMMA

- 8:30 9:00** Registration of teams
- 9:00 9.30** Opening
- 9:30 9:50** Coaches' meeting - Jury meeting
- 10:00 10:30** Robotics competition: Round 1
- 10:30 12:45** Presentations to the Juries
- 10:30 11:45** Public presentation of the scientific project
- 12:45 14:00** Pause
- 14:00 14:40** Presentations to the Juries
- 14:40 15:10** Robotics competition: Round 2
- 15:20 16:00** Presentations to the Juries
- 14:00 15:45** Public presentation of the scientific project
- 16:00 16:30** Robotics competition: Round 3
- 16:30 17:00** Robotics competition: Final Four
- 17:00 17:20** CARGO CONNECT Talk
- 17:20 18:00** Awards