ROOBOPOLI HACKATHON
6-8 June 2023 Universityof Brescia
ViaBranze 38,25123,Brescia

promoted by Perlatecnica and University of Brescia

Inside the MetroInd4.0&IoT 2023 IEEE conference, UniBrescia and Perlatecnica promote the Roobopoli Challenge! It is open to teams of students from all over the world, who will compete with Roobokarts. During the event there will be a large Roobopoli – size: 3x3 meters - and each team will receive the necessary materials to program their own Roobokart.

CHALLENGE 1: Each team will have their own Roobokart already assembled and will have to meet the basic mission of the Roobokart: "The vehicle will move autonomously on the roads of Roobopoli being on the track, respecting the signs and traffic lights, temporarily stopping in the presence of obstacles and crossing the intersections by randomly choosing the direction to take among those available".

CHALLENGE 2: The teams will be challenged to complete the assigned path twice as quickly as possible being on the track and respecting the signs and traffic lights.

AGENDA

June 6: introduction and starting of the competition
June 7: second day of the proposed challenges
June 8: end of the challenge, evaluation and winner ranking

MATERIALS
The open source code here https://github.com/Perlatecnica/Roobokart
Bring your Windows PC and install the toolchain
https://www.youtube.com/watch?v=2u26YWaUTws

INFO & REGISTRATION

www.metroind40iot.org