

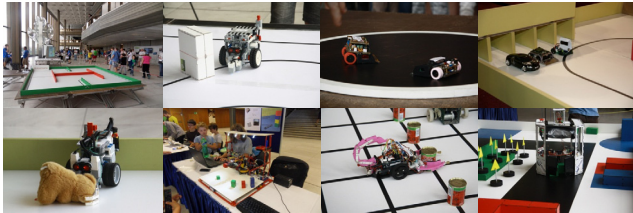
CHARLES UNIVERSITY & ROBOTIKA
**16th INTERNATIONAL
ROBOTIC DAY**



**JUNE 2 2019, 10AM-5PM, FREE ENTRY
PRAGUE CONGRESS CENTRE (METRO C- VYŠEHRAĐ)**

**Bear Rescue – Free Style – Ketchup House
Line Follower – MiniSumo – Puck Collect
Roadside Assistance – RoboCarts – Toy Cleanup**

**More at: <http://www.roboticday.org>
info@roboticday.org**



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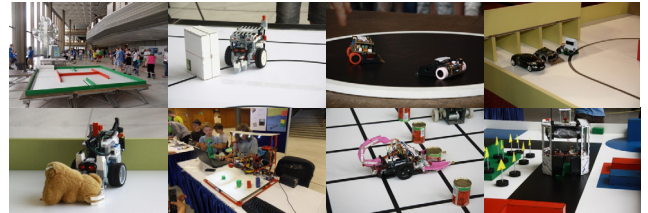
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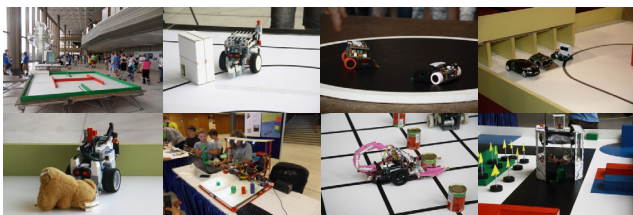
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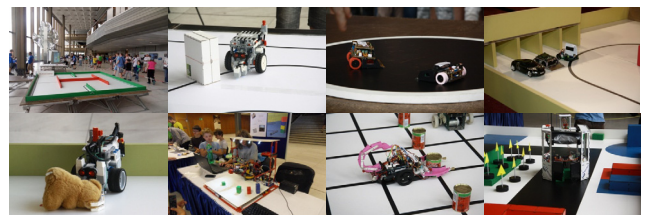
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Bear Rescue Advanced (Standard + KIT)
The robot has to find a lost bear and bring it back home.



Free Style
The contest is open to all robotic enthusiasts. Did you make something that even loosely relates to robotics? Then this category is just for you.



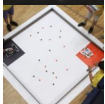
Ketchup House (Standard + KIT)
A pair of robots compete in a warehouse, who will get more ketchup cans at the end of the game. The warehouse is filled by up to 12 cans of ketchup and its floor is marked by a grid of lines to help the robots to locate. Which robot takes more cans to its base line?



Line Follower (Standard + KIT)
The robots should be designed to quickly follow the black line. However, they may meet different obstacles on the track – split and join of the line, objects on the track and line interruptions. Only robots that overcome all obstacles can succeed.



Mini Sumo (Standard + KIT)
Each robot is trying to push the opponent out of the ring. The one who stays in the ring for longer, wins.



Puck Collect (Standard + KIT)
One robot collects blue, its opponent red pucks. They have to bring them to their homes in the playing field corners.



Roadside Assistance (Beginner + Advanced)
After a crash on the road, the site needs to be cleaned. The place should be properly labelled and cargo has to be loaded onto replacement vehicles. Which of the robots is able to cope better with this tough situation?



RoboCarts (Standard + KIT)
Up to 5 robots compete on the racetrack at the same time who will be the first to pass predetermined number of rounds. There is however a lot of corners on the track, which makes it quite difficult.

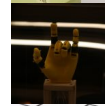


Toy Cleanup (Beginner + Advanced)
The robot has to pick toys (cubes) spread at the playing field and store them where they should be.

Standard ... free choice of components, KIT ... restricted to a selected kit
Beginner ... remotely controlled robot, Advanced ... autonomous robot



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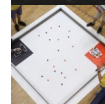
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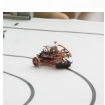
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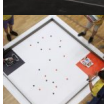
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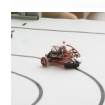
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