TECHNION
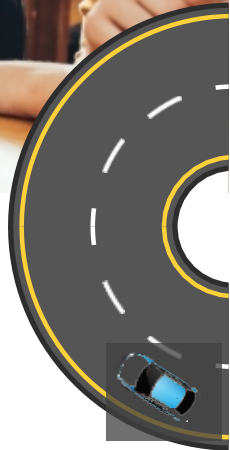## Israel Institute of Technology

ROBO TRAFFIC

COMPETITION

GOALS

> Develop sensors and systems to be implemented in the industry to reduce the number of car accidents

> Expose students to the high tech multi-disciplinary area of robots and sensors

> Build team-work capabilities

For more information, please contact: **evgenyk@technion.ac.il**

robotraffic
The Nadav Shoham Competition

The Technion's Faculty of Mechanical Engineering

is a global leader in the research and development of robotics, with world-renowned expertise in theoretical and practical implementations of robotic devices in various industries. The Faculty believes pre-university educational activities are crucial to stimulating interest in the next generation of students and has established the Leumi Robotics Center (LRC).

The Nadav Shoham Robotraffic Competition was created through the center to give students hands-on experience in providing high-tech solutions to challenges. The main challenge is to build an autonomous robotic car model which can move according to traffic rules as well as obey traffic lights, signs and signals, and keep a safe distance from other cars.

Please see:
http://robotraffic.net.technion.ac.il

Technion's 13th Nadav Shoham Robotraffic Competition will be held on: March 12-16, 2023 - Virtual Event | March 23, 2023 - On Campus
Support will be provided by **Leumi Robotics Center**, for assistance please contact **evgenyk@technion.ac.il**

COMPETITION CATEGORIES FOR VIRTUAL EVENT:
Careful driving / Racing / Reverse parking / Traffic safety initiatives / 3D CAD category / 4-Wheel Lego car category / Special automatic control test https://robotraffic.net.technion.ac.il/

COMPETITION CATEGORIES FOR ON CAMPUS EVENT:
Careful driving / Extended careful driving / Racing / Traffic safety initiatives / Special traffic regulations and rules test / Advanced careful driving / 3D CAD category / Special automatic control basics test

RULES AND PARTICIPANTS
Teams should consist of 1-8 students.
Participants must be under 19 years of age. A teacher can act as an advisor, but the construction needs to be done by the students.
Virtual Event - https://robotraffic.net.technion.ac.il/robotraffic-rules/
On Campus Event - https://robotraffic.net.technion.ac.il/virtual-robotraffic-rules/

PRIZES
The prizes will be awarded by the Technion's Leumi Robotics Center and Robotraffic sponsors.

SUBMISSION
Registration deadline: January 15, 2023 | Submission deadline: March 1, 2023
Please send the registration form and submissions to **evgenyk@technion.ac.il**

robotraffic The Nadav Shoham Competition

Faculty of Mechanical Engineering — הפקולטה להנדסת מכונות

מרכז לרובוטיקה ע"ש לאומי
הטכניון - מכון טכנולוגי לישראל
לאומי leumi

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