

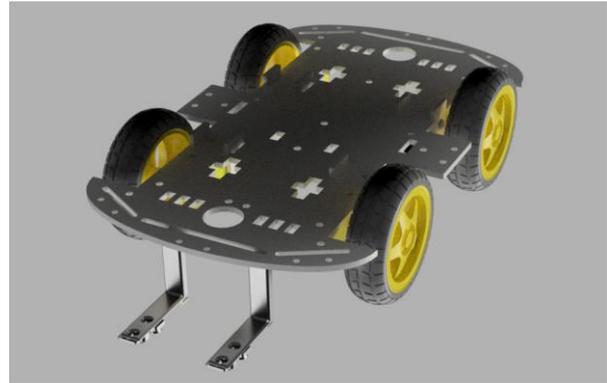
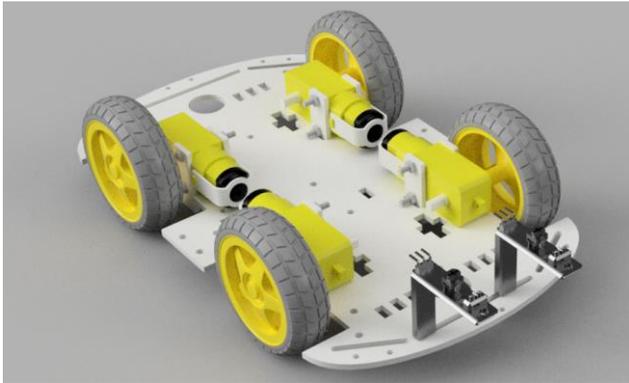
## ROBOTS IN ACTION PROFESSIONAL CONTEST 2025

The Faculty of Electrical, Electronic and Information Engineering, from the “Valahia” University of Târgoviște, together with the Romanian Robotics Society, Târgoviște branch, organized, on 06.06.2025, starting at 09.00 a.m., the 18th edition of the Student Scientific Thematic Competition “ROBOTS IN ACTION”. At the same time, with the above-mentioned event, the 6th edition of the Student Scientific Communications Session “Automated Control and Applied Informatics in Laboratory and Industrial Processes” – CAIA 2025, organized by the Department of Automation, Informatics and Electrical Engineering, also took place.



Students or teams of students participated in the competition and presented their theoretical/practical achievements in the fields of ROBOTICS, MECHATRONICS, AUTOMATION AND INFORMATICS.





This edition featured technical applications developed in our faculty by our students, such as: Alternative solutions for controlling air flow in a laboratory facility, dedicated to precise positioning, Web system for monitoring and controlling smart devices in a residence, Application for automatic recognition of road signs, Fleet of autonomous mobile robots for services, Robotic platform for servicing workstations in an industrial hall, Data Logger – Peltier Modules, Robo-Labyrinth, Live chat web application for voice text and video communication, Application for determining the stage of neuro-degenerative diseases, Interactive platform for automating ordering process in restaurants, Mobile Robot for identifying the exit from a maze, Educational game developed in Unity, Design and implementation of an automatic disassembly process, control of disassembly sequences, Trenchers Paper Trading, Advanced management of a manufacturing process equipped with robotic manipulators, by integrating an intelligent visual detection algorithm, based on neural networks.

As every year, we had distinguished and special guests. We continued our collaboration with representatives of the industrial and business environment, local and county administrations.

Being a 'live' meeting, we managed to broadcast the event on MS\_Teams and on our own YouTube channel, especially for our colleagues from other universities in the country, but also for our external partners.

In conclusion, we can say that the entire activity aimed to prove that our students have competitive capacity, have perfect technical skills, that they can answer a lot of questions, coming mainly from the industrial and business environment, and, last but not least, to prove to us, the teaching staff, that they will become successful engineers, joining industrial companies in the near future.

<https://www.robotics-society.ro>

<http://www.fie.valahia.ro>

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