

ROBOTS IN ACTION PROFESSIONAL CONTEST 2024

The Romanian Robotics Society - Târgoviște branch organized, together with the Faculty of Electrical Engineering, Electronics and Information Technology, from "Valahia" University of Târgoviște, the professional student competition "ROBOTS IN ACTION", the 17th edition. For the 17th time, without interruption, we managed to bring together students and master's students, who presented an interesting series of engineering applications. Between 06 and 07 June 2024, our annual event took place together with another event, also belonging to our faculty, namely the Student Scientific Communications Session - "Automated Control and Applied Informatics in Laboratory and Industrial Processes" - CAIA 2024, reached its fifth edition, and for the first time, simultaneously, the "Day of Experiments" (interactive activities of students with pre-university students) took place, with the Faculty of Sciences and Arts, next to us this time.

A total of 17 students from our entire faculty signed up, in different fields that have become benchmarks in our event: Robotics, Automation, Computer Science or Mechatronics.

At this year's edition, there were, among others, technical applications made in the faculty, by our students, such as: Mobile systems equipped with remote controlled manipulators, Robots for avoiding obstacles and following a route, Anti-burglary protection system for a home, Streamlining production processes, using development board with microcontroller - Simulation in RoboDK, Simulation of a sorting, storage and assembly line, using Factory IO and TiaPortal, Implementation of a handling station using 3D camera and PLC, Controlled robotic arm via a graphical interface, Remote controlled smart safe, Interactive audio synthesizer, Desk clock with Nextion Touch Screen display and air quality monitoring function, Assistive device for persons with visual disabilities, Management of a photovoltaic panel park, Algorithm study of Machine Learning in humanoid gait modeling.

The future graduates presented their engineering achievements, videos about their applications, live snapshots, demonstrations with their personal works, putting the innovations to work in front of those present, teaching staff, other students, representatives of the socio-economic and business environment of the South Muntenia area.

Images from the demonstration could also be viewed through a LIVE transmission of the event, at the following addresses: <http://www.robotics-society.ro/filiale.html>, <http://www.srr.ssai.valahia.ro>, but also on our YouTube channel.

At the same time, together with the other actions mentioned above, we were visited by students from the National Colleges and High Schools in Dâmbovița County, as well as representatives of employers, managers and human resources specialists, so that many students could or will be recruited as future engineers.

At the end, keeping the tradition, various prizes and diplomas were awarded to all the participants.

UNIVERSITATEA VALAHIA DIN TÂRGOVIȘTE
FACULTATEA DE INGINERIE ELECTRICĂ, ELECTRONICĂ ȘI
TEHNOLOGIA INFORMAȚIEI

ROBOTS ÎN ACȚIUNE

Ediția a XVII-a

INVITAȚIE

Facultatea de Inginerie Electrică, Electronică și Tehnologia Informației, prin Departamentul de Automatică, Informatică și Inginerie Electrică, din cadrul Universității "Valahia" din Târgoviște și Societatea de Robotică din România, Filiala Târgoviște, au deosebita onoare de a vă invita să participați Vineri, 07 Iunie 2024, începând cu ora 10.00, la a șaptesprezecea ediție a concursului tematic științific studentesc **Robots în Acțiune**.

Totodată cu evenimentul sus-amintit, va avea loc și cea de-a 5-a ediție a Sesiunii de Comunicări Științifice Studentești "Control Automatizat și Informatică Aplicată în procese de laborator și industriale" – CAIA 2024.

Transmisiune LIVE pe canalul de YOUTUBE

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