MECHAFUSION

› ROBOTICS & MECHATRONICS CLUB · UPT

SPONSORSHIP BROCHURE

Support the first professional university robotics hub in western Romania.



UNDER THE AEGIS

Universitatea Politehnica Timişoara

› WHO WE ARE

A UNIVERSITY HUB UNIQUE IN WESTERN ROMANIA

MECHAFUSION is the robotics and mechatronics club of **Politehnica University of Timișoara**: over 100 members from all faculties, united by one goal — to build, innovate and learn through hands-on practice.





- **Asociație cu personalitate juridică** — comunitate activă de peste un an, structurată legal din decembrie 2025.
- **The only professional university club** for robotics and mechatronics in western Romania.
- We cover the full technical spectrum: **mechatronics · robotics · electronics & signals · telecommunications · programming · medical engineering.**

100+
ACTIVE MEMBERS

6
OPERATIONAL DEPARTMENTS

20-30
PARTICIPANTS / TECH CAMP

› AWARDS & RESULTS

AWARDS & RESULTS

In just one year we have collected awards recognised at **national and international level**.

- **Space Engineering Challenge 2025** — Grand Prize (team MECHAFUSION) + Best Engineering Design (team ALSERA). Two sub-teams awarded.
- **Robotics Championship Oradea 2026** — 1st Place, Freestyle.
- **Mechatronic Education Days 2025** — 2nd Prize, Mechatronic Systems (Bosch award).
- **Mechatronic Education Days 2026** — 3rd Prize, Mechatronic Systems & 3rd Prize, Mechatronic Creations (spectrograph).
- iTEC Web Development — 3rd Prize.





[AWARDS GALLERY · DIPLOMAS & TROPHIES]









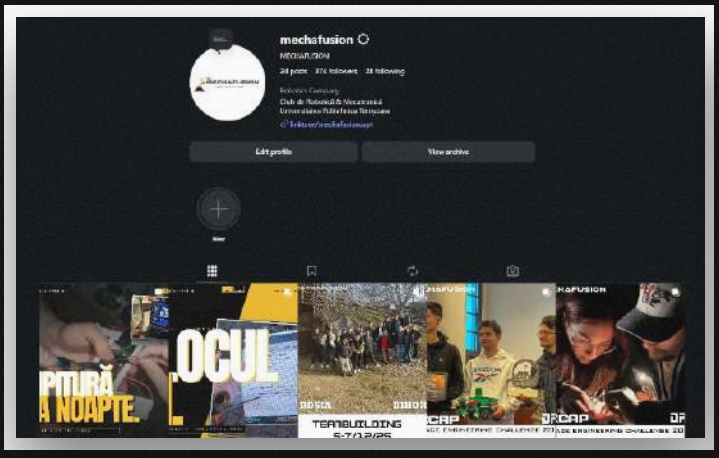
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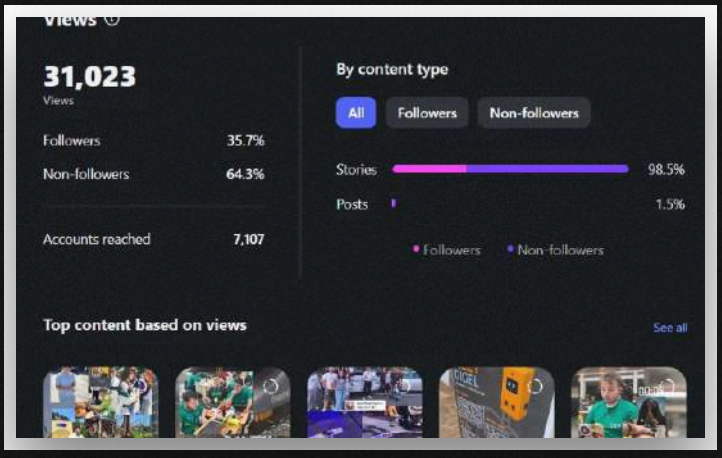
Grand Prize at Space Engineering + 1st Place Freestyle at Robotics Championship — proven results, not promises.

› IMPACT & VISIBILITY

VISIBLE. ACTIVE. GROWING.

In its first year, MECHAFUSION became one of the most visible student initiatives at UPT, with a constant presence **on campus, in local media and on social media**.





- **Professional visual identity** — logo, branding, merch, banners.
- **Local media presence** — e.g.: feature on the Românești Cave exploration.
- **Active online community**, with consistent content: projects, behind the scenes, recruitment.

[WHY NOW]

Your partnership enters a young but already recognised brand — **first mover advantage** for companies that get involved at this stage.

› FLAGSHIP PROJECT

ERC

EUROPEAN ROVER CHALLENGE

The largest Mars rover competition in Europe, recognised by ESA, with the final in Poland (Kraków). **MECHAFUSION is the only team from western Romania planning to compete.**

[COMPETITION TASKS]

- Autonomous navigation on a Mars soil replica.
- Science task — searching for signs of life.
- Drone task.
- Maintenance: robotic arm min. 5 DOF, autonomous.



[PROJECT TIMELINE]

FEB	Registration + proposal writing (1 month).
MAR-MAI	Monthly technical reports and documentation (if proposal passes).
IUN	Final documentation + presentation video.
FINALA	Poland · Kraków.

Strategic / Title Partner — direct association with the first university Mars rover in western Romania.

~20.000 €

› ACTIVE PROJECT

SPACE ENGINEERING CHALLENGE 2026

6–8 NOVEMBER 2026 · TWO CAVE EXPLORATION ROBOTS

Following Grand Prize and Best Engineering Design at the previous edition, we return with two sub-teams and two autonomous robots simulating a Martian underground exploration mission.

- Estimated budget: **~€2,000** (last year €1,000).
- Autonomous / semi-autonomous navigation.
- Project already featured in media (Românești Cave).



› NATIONAL & INTERNATIONAL COMPETITIONS

We consistently participate in the most prestigious robotics competitions in Romania and abroad — a real environment for technical validation, networking and benchmarking.

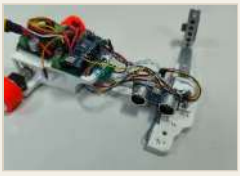
COMPETIȚIE	NIVEL	EST. BUDGET
Robotics Championship 2027 Oradea · returning after 1st Place Freestyle in 2026	International (RO)	2.000 – 3.000 €
RoboChallenge București	International (year-end)	3.000 – 5.000 €

CATEGORIES: Line Follower · Mini Sumo · Mega Sumo · Humanoid / Freestyle · (Micromouse / Drone — depending on edition).

› OUR COMPETITION ROBOTS

OUR COMPETITION ROBOTS

You can sponsor an individual robot and associate your brand directly with its performance: **logo on the robot, photo/video appearances, branding in the work area** and visibility at competitions.



LINE FOLLOWER

Autonomous line-tracking robot: speed, PID control, embedded electronics.

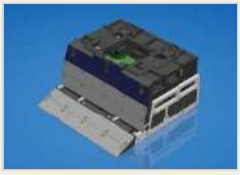
≈ 500 €



MINI SUMO

Autonomous ring duel: robust mechanics, power electronics, fast decision-making.

≈ 500 €



MEGA SUMO

Larger and more powerful version: force, traction and autonomous strategy.

≈ 700 €



HUMANOID / FREESTYLE

Creation and innovation: articulated mechanisms, expressive movements, AI integration.

≈ 800 €

[HUMANOID / FREESTYLE EXAMPLES]



Walking humanoid — biped with active balance.



Robot Dog — modular robodog platform



Animatronic — facial mimicry & expressive gestures.



Robotic arm show — performance sequences.

YOUR LOGO HERE

Each robot offers a dedicated branding area — your logo, on a robot that performs.

› WHY INVEST IN US

WHY PARTNER WITH MECHAFUSION

- **Direct access to pre-evaluated talent** — CVs of members (with their consent) and competition participants.
- **Faster and cheaper recruitment** — candidates already working on real projects.
- **Visibility** in front of hundreds of engineering students, on campus and online.
- **Access to UPT spaces** and student, youth and scientific events in Timișoara and across Romania.
- **Association with innovation** in Timișoara — the first professional university robotics hub in the city.
- **Clear ROI** — periodic reports with measurable indicators: visibility, impact, technical progress.

TAX ADVANTAGE

We are a **registered non-profit with legal personality and tax ID** — sponsorship is simple, legal and contract-based.

Under Romanian Law 32/1994, sponsorships may be tax-deductible within legal limits (indicatively: the lesser of 0.75% of turnover and 20% of corporate tax). In practice, you support MECHAFUSION at a significantly reduced net cost. *(To be confirmed with your company's finance department.)*

› SPONSORSHIP PACKAGES

SPONSORSHIP PACKAGES

TIER	AMOUNT	PACKAGE HIGHLIGHTS
BRONZE	300 €	Logo on materials, social media mention, workshop access, "Bronze Supporter" diploma, invitation to annual demo.
SILVER	1.000 €	All from Bronze + logo on T-shirts/posters/boards, event stand, recruitment access, dedicated promotion. ≈ one competition robot.
GOLD	2.500 €	All from Silver + company-dedicated workshop, guided lab visit, branding on a chosen project, extended promotion (carousel/video).
PLATINUM	5.000 €	All from Gold + major event co-branding, premium lab branding, official presentation (Tech Talk, 50+ students), professional media.
STRATEGIC / TITLE	10.000	**All from Platinum + you can name a lab section, guaranteed presence in all competitions, R&D collaborations. Anchored to ERC — European Rover Challenge.**
SPONSOR TEHNIC	in-kind	Equipment, tools, parts, components, 3D printers, technical mentoring. Valued at market price and placed on the corresponding tier.

› PROJECT-BASED SPONSORSHIP

PREFER TO SUPPORT A SPECIFIC PROJECT?

You can directly fund a project and associate your brand with its tangible result. **The value automatically maps to the corresponding package tier.**

ERC — European Rover Challenge Financial + equipment + mentoring	~20.000 € →	**STRATEGIC / TITLE**
Space Engineering Challenge 2026 Two exploration robots	~2.000 € →	**GOLD**
One competition robot Line Follower · Sumo · Humanoid	500–800 € →	**SILVER**
One competition season Robotics Championship 2027 · RoboChallenge	2.000–7.000 € →	**GOLD / PLATINUM**

Packages = visibility level. Project sponsorship = alternative entry route, mapped to a tier based on value.

BECOME A PARTNER

› LET'S BUILD TOGETHER

BUILDING THE FUTURE OF ENGINEERING TOGETHER

Choose a package or a project, and we handle everything — contract, visibility and reports. You support real technical education and a project that takes your name to the European robotics league.

[CONTACT]

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Universitatea Politehnica Timișoara