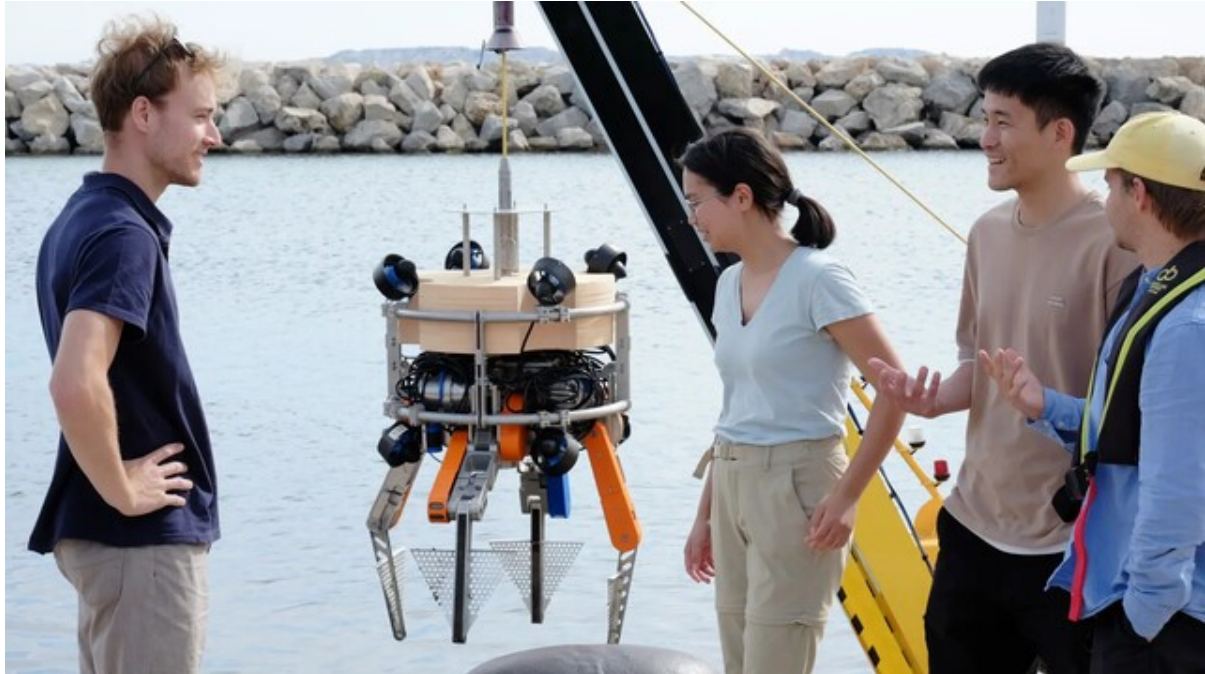




Munich Institute of Robotics and Machine Intelligence (MIRMI)
Technical University Munich



10-2025 NEWS FROM ROBOTICS AND ARTIFICIAL INTELLIGENCE



Autonomous Diving Robot Targets Underwater Waste

TUM researchers have developed a powerful autonomous diving robot capable of detecting and retrieving marine litter using AI-driven sonar and camera analysis. Demonstrated in Marseille, the system marks a major step toward cost-efficient, scalable underwater waste collection in European ports.

[Read more](#)



TUM Launches AI Chip Design Center

With support from Bavarian ministries and TSMC, TUM is founding MACHT-AI to train over 300 students and researchers in cutting-edge AI chip design.

[Read more](#)



Exosuits for Independence

The new MIRMinute episode features Huimin Su developing wearable robots that support hand and arm movements – helping people with mobility challenges regain independence.

[Read more](#)



TUM Develops Robotics Seal of Approval

TUM MIRMI researchers developed the first scheme to compare robots' sensitivity in human interaction, paving the way for a testing standard.

[Read more](#)



Applied Surgineering: New Project Week at TUM

In November, TUM launches a project week where students design solutions to real surgical challenges.

[Read more](#)

NUMBER OF THE MONTH

250 kg

As part of SEACLEAR 2.0, TUM's autonomous diving robot can lift underwater waste weighing up to 250 kilograms.

[Read more](#)

VIDEO OF THE MONTH



EDGAR at IAA Mobility 2025

At IAA Mobility 2025, TUM showcased 'EDGAR', an autonomous vehicle offering a glimpse into the future of mobility. We took it for a test drive.

[Video](#)

PAPER OF THE MONTH

Munich's Air Quality Mapped in Detail

TUM professor Jia Chen uses a unique sensor network to monitor Munich's air quality and greenhouse gases in real time.



[Read more](#)

JOB OFFERS

- [Postdoctoral Position in Haptic Teleoperation and shared control](#), MIRMI, TUM
- [Team Assistant for SAP Accounting Entries](#), MIRMI, TUM
- [Human-in-the-Loop Robot Learning \(Master's Thesis\)](#), Environmental Robotics Group, MIRMI, TUM
- [Team Assistant HR and Finance](#), MIRMI, TUM



[All job offers](#)

EVENTS

- 14. October 2025: [Next Level Robotics 2025](#), Munich
- 19. - 25. October 2025: [IROS 2025](#), Hangzhou, China
- 20. October 2025: Seminar "[Magnetic Biomedical Microrobots](#)", MIBE, Campus Garching

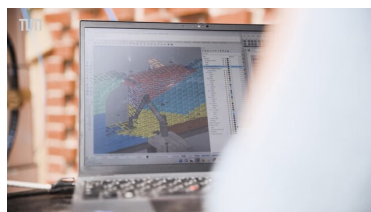
[More events](#)

IN THE MEDIA



ZDF: Robot Trade Fair "Automatica" in Munich
Automatica in Munich highlights how human-AI collaboration could shape the future.

[Video](#)



Heise: Robots for Climate-Smart Walls
TUM tested a new robot that positions bricks precisely to create walls, that are climate-optimized.

[Read more](#)



SZ: TUM Opens AI Chip Research Center
TUM launches MACHT-AI to train experts and boost Europe's AI chip independence.

[Read more](#)



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