



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



02-2024 NEWS ABOUT ROBOTICS AND ARTIFICIAL INTELLIGENCE



MIRMI involved in new medical robotics project

In the new research project ForNeRo, opportunities for integrating various systems in the fields of surgery and imaging into everyday surgical practice will be analyzed. Included from MIRMI are Prof. Nassir Navab from the Chair of Applications in Medicine and Prof. Dirk Wilhelm from the Klinikum rechts der Isar.

[Read more](#)



ICRA2024
YOKOHAMA | JAPAN

MIRMI at ICRA 2024

With 52 scientific publications and seven workshops, along with video sessions, MIRMI researchers are represented at the robotics conference ICRA 2024. Here's an overview.

[Read more](#)



Chair of AI Council: for Five More Years

Prof. Sami Haddadin, Director of MIRMI, continues his role as chairman of the Bavarian AI Council for the next five years. Here's what has already been achieved.

[Read more](#)



Paper Award for MIRMI Researcher

Dr. Abdalla Swikir, Senior Scientist at MIRMI, has won the IEEE CSS George S. Axelby Outstanding Paper Award 2023. It is awarded annually.

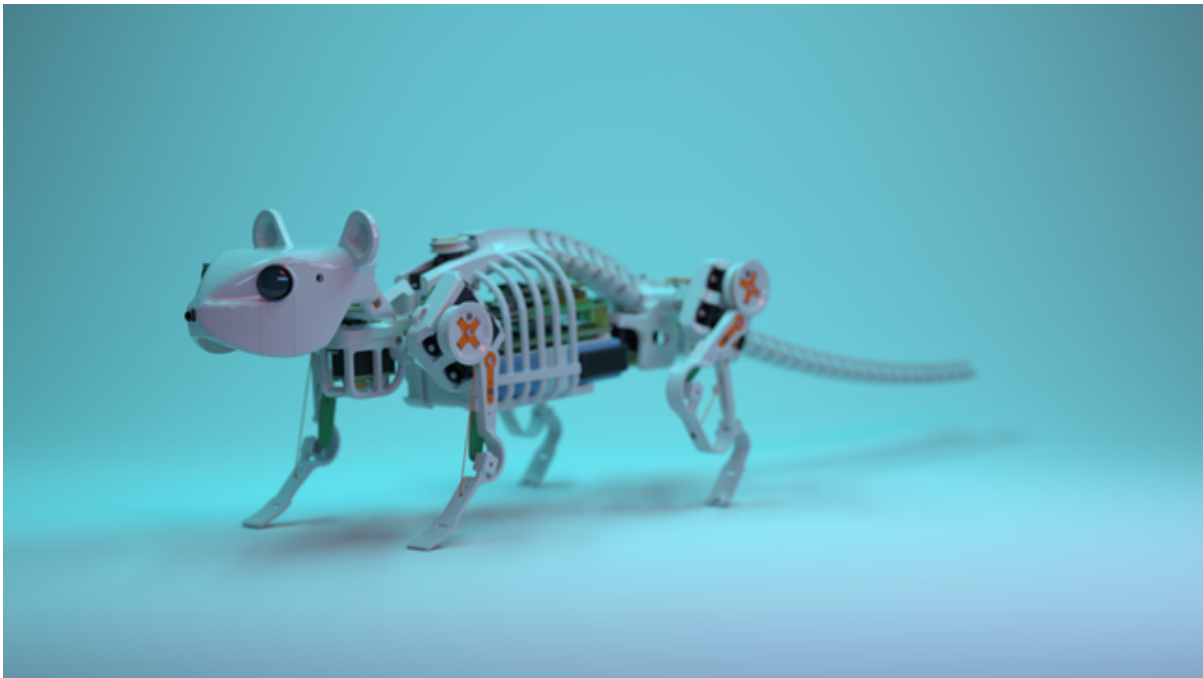
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NUMBER OF THE MONTH

52 Papers

Researchers from the Munich Institute of Robotics and Machine Intelligence at TUM are represented at this year's robotics conference ICRA 2024 with 52 papers. More information [here](#).

PICTURE OF THE MONTH



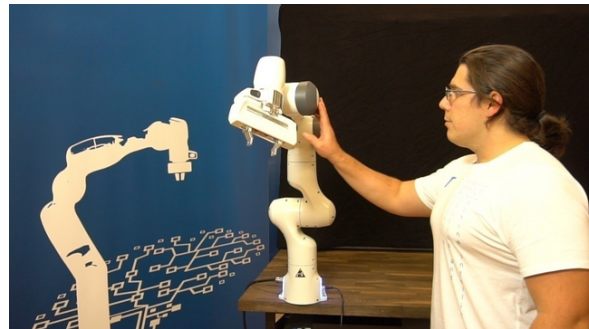
Researchers from the Chair of Robotics, Artificial Intelligence, and Real-Time Systems at TUM have developed a mouse robot. According to NEW SCIENTIST, they have improved its speed and agility of movements with a flexible spine.

[LinkedIn](#)

PAPER OF THE MONTH

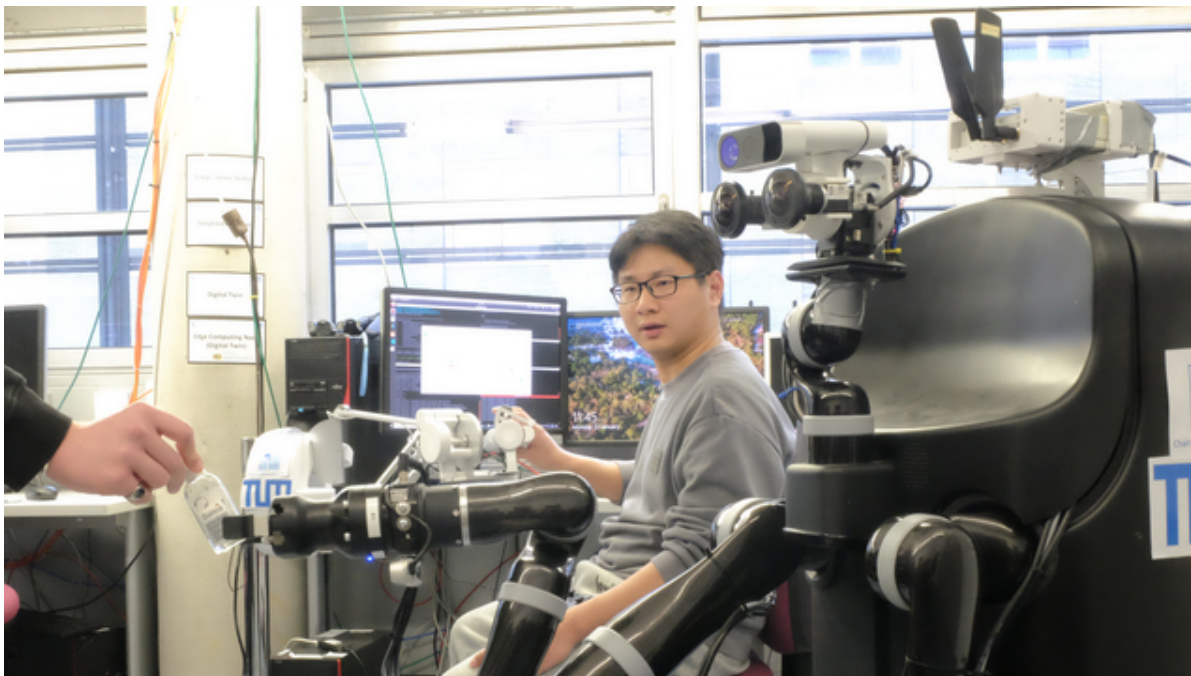
How robots learn to perceive themselves

Information diagrams help robots learn their own shape. Body awareness is crucial for movement, interaction, and 'manipulation,' such as through grippers. MIRMI researcher Fernando Diaz Ledezma explains how it works.



[Read more](#)

LAB OF THE MONTH



For Robotics: 6G Lab researches fast wireless communication

Fast wireless connections enable human-robot communication. In the 6G Lab, led by professors Eckehard Steinbach and Wolfgang Kellerer from TUM-MIRMI, research on 6G communication is conducted.

[Read more](#)

JOB OFFERS

- [PhD/PostDoc](#) position in the Neural Interfacing Research Group at MIRMI-TUM (Garmisch-Partenkirchen site)
- [Postdoc](#) Position in Safe and Robust Remote Robot Control
- [Senior Scientist](#) Position for Service Robotics - HRI - Planning and Control

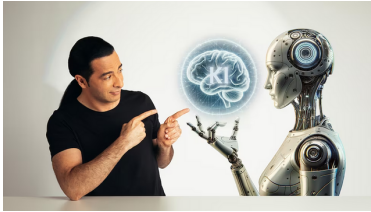


[All job offers](#)

EVENTS

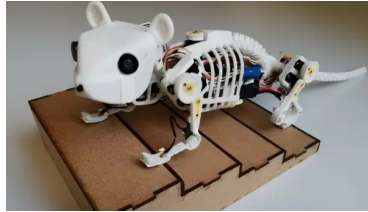
- 13. May 2024: [ICRA 2024](#), Yokohama, Japan.
- 14. October 2024: [IROS 2024](#), Abu Dhabi, United Arab Emirates.
- 25. October 2024: [Cybathlon](#), Zürich, Switzerland.

IN THE MEDIA



BabbelNet: Bülent Ceylan at the KI.Fabrik

Comedian Bülent Ceylan visited the MIRMI's KI.Fabrik for his science show. The focus of the program: Artificial Intelligence.

[To the Video](#)

HEISE: Embodied AI in the Mouse

Robot mice are faster with a flexible spine. According to TUM researchers, the body and artificial intelligence must work together.

[Article](#)

Beyond Talk with Prof. Nassir Navab

TUM Professor Nassir Navab explains what augmented reality means for his research in medicine. He visualizes the inside of the human body.

[To the Video](#)

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Contact to Munich Institute of Robotics and Machine Intelligence (MIRMI) of the Technical University of Munich (TUM)

Address: Georg-Brauchle-Ring 60/62, 80992 Munich, Germany

Internet: www.mirmi.tum.de

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