MIRMI Monthly

Our latest research and insights

November 22, 2021

Apply to MIRMI Seed-Funds – Round 1 is open until January 31, 2022

MIRMI will support the kick-off of innovative research projects via Seed Funds. The MIRMI Seed-Funds aim to stimulate new collaborations within MIRMI by supporting collaborative projects in the field of robotics and machine intelligence. Successful projects will receive funds for up to two (post)doctoral researchers (E13 50%) for up to six months duration. The plan is to hold a seed funding round every 6 months. The first round of MIRMI Seed Funds is open until January 31, 2022.

#RESEARCH #CALL

More information →

Prof. Birgit Vogel-Heuser runs for a seat at IEEE RAS AdCom - Voting is open until November 24, 2021

Our highly respected TUM colleague Prof. Birgit Vogel-Heuser is running for a seat in the IEEE RAS AdCom this year. IEEE RAS members can support her with a vote until November 24, 2021. Birgit Vogel-Heuser has been contributing to MIRMI from the very first minute and is now among the candidates from RAS Geographical Area 2 (IEEE Region 8) - Europe, Middle East and Africa.

#IEEE_RAS

More information →

The Open House Day at the Geriatronics and Longleif Research Center shows what the future will bring

LongLeif and the Geriatronics Research Center of MIRMI invited to an “Open House Day” in Garmisch-Partenkirchen. At five stations, visitors found out about the current status of the various projects and tried out robotic assistance systems such as the service humanoid GARMI and the mechatronic robotic arm MUCKI. Plans for a “Healthcare Robotics Center” were announced as well.

#FUTUREOFHEALTH #ROBOTICS #AI

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Robotics will be part of the future in medicine

Robotics is an extremely useful tool for research and for improving patient care, explains Prof. von Eisenhart-Rothe, MIRMI member and Director of the Clinic for Orthopedics and Sports Orthopedics at Klinikum rechts der Isar. Systems like the robot MAKO, for example, enable more precision and prevents errors. "Nonetheless, the operating doctor must be very experienced and capable," emphasizes von Eisenhart-Rothe. Additionally, when operating with the MAKO, data is diligently collected in cooperation with the Munich Institute of Robotics and Machine Intelligence (MIRMI). "Digital Twin" is the name of the database on which the information is stored.

#FUTUREOFHEALTH #ROBOTICS

Read full story →

TUM has developed a standardized test procedure for e-car batteries

Do two batteries from Tesla and VW of the same size offer the same performance in their respective cars? The Technical University of Munich has developed a standardized test to compare batteries. Together with auto motor und sport, the Munich researchers Matthias Steinsträter, Prof. Markus Lienkamp and Nikolaos Wassiliadis compared the batteries of the same size in the ID.3 and Model 3 with a net capacity of 55 kWh.

#FUTUREOFMOBILITY

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MIRMI has new locations!

MIRMI's main building at Heßstraße 134, 80797 in Munich will be renovated. The renovation will take approximately 3 years. During this time, the offices and laboratories have been relocated to Munich and Garching. MIRMI's new addresses are Georg-Brauchle-Ring 58-62, 80992 Munich; Carl-Zeiss-Straße 8, 85748 Garching; and Parkring 11-13, 85748 Garching, 1. Floor.

#NEWS

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Upcoming calls and events

Call: EuroTechPostdoc2 programme – Application period November 30, 2021 – February 24, 2022

Learn more →

Call for Papers: ICAART 2022. Application deadline November 29, 2021

Learn more →

Event: 8th Annual World Open Innovation Conference. December 9 - 10, 2021

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Learn more about MIRMI →

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