

Technical University of Munich (TUM)

MIRMI Newsletter 2023 - January

Community

26. January 2022

[Angela schöllig joins the MIRMI Board of Directors](#)

With great joy, we announce to you that Prof. Angela Schoellig was appointed a new member of the MIRMI Board of Directors by the TUM Hochschulpräsidium. As a director, she will steer topics related to Industry and International. Angela is not only an excellent researcher (Alexander von Humboldt Professorship for Artificial Intelligence) but also has a unique international perspective from her research experiences in the USA, Switzerland, Canada, and Germany. Welcome, Angela!

January 2023

[munich i – intelligence empowering tomorrow. The high-tech platform at automatica](#)

After two successful years with more than 28,000 visitors, munich_i is going into the third round at automatica! Under the patronage of the Bavarian Minister President Dr. Markus Söder, we are hosting the high-tech platform, a joint project of Messe München, automatica, and MIRMI, from June 27 to June 30, 2023 during automatica at Messe München. With renowned international speakers at the Hightech Summit, demos, and start-ups at AI.Society, and talented participants at the Robothon© Grand Challenge, you can once again take action in the world of robotics. Be our guest and experience munich_i in the same hall: this year the Hightech Summit moves closer to the AI.Society exhibition. Stay tuned!

16. January 2023

[Turning robots into skilled waiters](#)

Researchers at the Munich Institute of Robotics and Machine Intelligence (MIRMI) at the Technical University of Munich (TUM) have developed a model that enables a robot to serve tea and coffee faster and more safely than humans – with no sloshing. The mathematics behind the pendulum used in the concept is more than 300 years old.

09. January 2023

[Just take a break](#)

The next exam is coming up, so it's study, study, study. Oddly enough, it might be much better to take a break first. In fact, our brains need regular recovery periods to really be able to process and memorize what we have learned. The university didactics experts Dr. Alexandra Strasser and Denis Sedlmeier from ProLehre want to systematically facilitate such periods in teaching at TUM. They have taken up a student project that was awarded in our first-ever TUM Future Learning Initiative.

21. December 2022

[The second call for MIRMI Seed Funds will support 4 scientific proposals](#)

We are happy to announce the outcome of the second Call for MIRMI Seed Funding. Within this round, MIRMI will provide funding for four collaborative scientific proposals. The goal of the seed funding initiative is to foster joint projects within the broad variety of topics in the field of robotics and machine intelligence at the initial stage. The review process is organized completely independently by the MIRMI Science Advisory Board (SAB). The selected research proposals are listed in the link above.

20. December 2022

[4.7 million euros in funding and 14 positions planned for the TUM Geriatrics campus](#)

Good news for the TUM Geriatrics campus in Garmisch-Partenkirchen and the Robo.Care AI mission: the Bavarian cabinet's 2023 draft budget includes 4.74 million euros in funding for research on robotics and AI applications in the care of the elderly. This was announced by Bavarian science minister Markus Blume on a visit to the campus, which he praised as a "model project for Germany and the world". The new campus is a project under the auspices of the Munich Institute of Robotics and Machine Intelligence (MIRMI) of TUM.

06. December 2022

[Autonomous driving is the focal point of mobility research](#)

Autonomous driving has a special significance for the mobility of the future. Accordingly, this field has become a strategic focus topic at the Technical University of Munich (TUM). After winning the TUM win in the first race at the Indy Autonomous Challenge in the USA, not only have new research projects emerged, but also the first start-ups. At an exhibition in Garching, Bavarian Minister of Science and the Arts Markus Blume learned about the status of research and offered the team his congratulations.

[Events, Calls, and More](#)

26. January 2023

[Our Robothon® - The Grand Challenge goes into the third round! - video](#)

Up to 20 selected teams can put their talent to the task and take on the challenge of "Disassembly and sorting of electronic waste". An outstanding and well-known Grand Challenge jury and **prize money** of more than **€ 10,000** await the developers. This year's tasks and information about the application are published on the new website www.munich-i.com. **Register now!**

[Recommended Readings, Videos, and Podcasts](#)

"Terra X plus": Live chat with robotics researcher Sami Haddadin - video

By ZDF (25. January 2023)

Machine Instead of Man - Is Artificial Intelligence Taking Over? - video

By BR Fernsehen, STATIONEN / Irene Esmann und Elisabeth Möst (18. January 2023)

Progress in robotics: "Garmi" makes waiters jealous - video

By BR24 / Martin Breitkopf (16. January 2023)

How DNA Origami Disrupts Medicine and Becomes the New Cornerstone of Nano Robotics - video

By DLD Conference 23 (13. January 2023)

Revolution in care? Robot GARMI in Bavaria - video

By SAT.1 (12. January 2023)

Las Vegas: TU Munich with second place in robot car races

By Indo New York (08. January 2023)

Construction robots and the origin of life

By Süddeutsche Zeitung / René Hofmann (27. December 2022)

Development of fully autonomous cars on the brink of extinction?

By science media center Germany (09. December 2022)

AGV and Teleoperation: TU Munich and O2 Telefónica conduct research in the 5G campus network

By Logistik-Heute / Therese Meitinger (06. December 2022)

How Munich-based start-up Plectonic uses DNA origami for immunotherapy against cancer

By 1E9 / Wolfgang (December 2022)

Give us feedback

Your feedback is important to us. Let us know if you have comments or recommendations at community@mirmi.tum.de

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