

Technical University of Munich (TUM)

MIRMI Newsletter 2022 - July

Community

12. July 2022

TUM campus for geriatrics and AI mission in Garmisch-Partenkirchen was approved

The Bavarian State Ministry for Science and Art's Cabinet announced the approval of a TUM Campus for Geriatrics to be established in Garmisch-Partenkirchen. Geriatrics is a lighthouse initiative of the TUM Munich Institute of Robotics and Machine Intelligence (MIRMI) that aims to enable people to live self-determined lives for longer via robotic and AI technologies. The decision also supports the launch of the AI Mission Robo.Care to further expand the research and application of assistance robotics to support the elderly and those in need of care.

11. July 2022

New power for TUM's high-tech ecosystem

A mere nine months after the beginning of construction, the first section of the new Siemens Technology Center at the TUM Campus Garching has been completed. On Monday the topping-out ceremony was attended by high-ranking representatives from Siemens, TUM, and the Bavarian State Government. The new building will house more than 450 researchers from Siemens and approximately 150 TUM employees and students who will work together on digital twins, the industrial Internet of Things, robotics, and automation.

06. July 2022

Highlights of munich i 2022 – the High-tech platform will be back in 2023!

The second edition of munich_i, the Bavarian high-tech platform for AI and robotics, was held as an in-person event at the automatica fair in Messe München in June 2022. More than 28,000 automatica visitors from around 75 countries experienced and learned about the latest technological innovations and their societal impacts from experts, visionaries, politicians, CEOs, entrepreneurs, and young talents from around the world. The live-streamed sessions are already available online. Moreover, munich_i will be back in 2023, from 27 – 30 June!

05. July 2022

Winners of the Robothon® 2022 were awarded prize money at munich i. The competition returns in 2023

The second edition of the international competition in robot manipulation, the Robothon® Grand Challenge, crowned its top performers live on stage at munich_i on June 21, 2022. 20 teams from 13 countries competed using a robot platform to autonomously execute a series of manual tasks that aim to properly disassemble and

sort electronic waste. Teams from Italy, Slovenia, United Arab Emirates, Germany, and Austria were awarded prize money ranging from 1K to 10K €. The Robothon® will return in 2023!

22. June 2022

Artificial intelligence and robotics: Exchange of ideas between trailblazing actors from industry and research

From next-gen intelligent systems and smart networks to robot-human interactions: At the second Hightech Summit under the auspices of the munich_i trade fair, scientists and industry experts offered a glimpse at how a future based on robotics and AI could look. Along with researchers from the Technical University of Munich (TUM) and such renowned institutions as Imperial College London and Delft University, participants included robotics trailblazers from Boston Dynamics and Berkshire Grey as well as representatives of SAP, Google, and Roche.

22. June 2022

robo.innovate provides important impetus for science transfer – Take a look

The team around the Bavarian start-up incubator robo.innovate used a large number of visitors to the AI.Society at the automatica trade fair to draw attention to the important topic of science transfer to industry. Moderated by Prof. Klaus Diepold, TUM, experts from industry, start-up ecosystem, research, and politics discussed what tech talents in robotics need to turn their ideas into reality. Sneek peak: A strong network of supporters, patient capital, smart cooperation of hardware-software co-design, and close cooperation of all involved. The entire discussion and all aspects involving Infineon, NavVis, the Federal Agency for Disruptive Innovations SPRIN-D, the Bavarian Ministry of Economics as well as the TUM can be viewed on Youtube. The ideal summer "reading" for everyone who wants to be there when the potential for future innovation projects is unfolded. Definitely worth a look!

17. June 2022

Geriatrics Summit and AI.Society: How robotics can improve care

How robotics can improve the daily lives of the elderly and their caregivers: These are the central topics that scientists addressed at the first Geriatrics Summit in Garmisch. Questions to the organizers of the event and scientific leaders of the research projects, Luis Figueredo and Abdeldjalil Naceri from MIRMI.

Events, Calls, and More

22.-24. July 2022

Festival der Zukunft / Festival of the Future

Artificial intelligence, quantum computers, robotics, space travel and mobility, Web3 and Metaverse, biotechnology, sustainability, and climate protection: The festival brings you up to date on the very latest future technologies and new ideas from 22.-24. July 2022 at the Forum of the Future of the Deutsches Museum, Munich.

Recommended Readings and Videos

14. July 2022

Wie viel Technik verträgt die Pflege? – Podcast

By ARD

12. July 2022

Panel discussion "Close to Human - The Future of AI" – Video

By Siemens und die Neue Sammlung

07. July 2022

Podcast Wohnen im Alter – Podcast

By BR

munich_i – Hightech Summit Videos

- Der munich_i Hightech-Summit beginnt – [Click here](#)
- Session 1: Next Generation Robotics – [Click here](#)
- Session 2: Networking Intelligence – [Click here](#)
- Session 3: Machine Vision and Autonomy – [Click here](#)
- Session 4: Learning, Understanding and Interaction – [Click here](#)
- The munich_i Hightech-Summit comes to an end – [Click here](#)

munich_i - AI. Society Panel Discussions Videos

- Robothon® Impact Round Table – [Click here](#)
- Robothon® Award Ceremony – [Click here](#)
- Ethics Round Table: AI in research and education – [Click here](#)
- AI.Council "AI4Bavaria – The Bavarian AI Network" – [Click here](#)
- AI.Society - robo.innovate: Erfolgsfaktoren für eine zielgerichtete Startup Förderung in der Robotik – [Click here](#)

- KI.FABRIK Bayern: Garant für zukunftsfähige Arbeitsplätze und stabile Wertschöpfungsketten – [Click here](#)
 - The future in mind: Machine vision and AI – [Click here](#)
 - A glimpse into the future: Robotics and AI – [Click here](#)
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