

Technical University of Munich (TUM)

MIRMI Newsletter 2022 - March

Community

28. February 2022

Support Ukrainian Scientists

If you are a Ukrainian scientist working in the fields of Robotics, Machine Intelligence, and AI and you would be interested in relocating to Munich/Germany to work (at least temporarily in these difficult times) at the Munich Institute of Robotics and Machine Intelligence (MIRMI) of the Technical University of Munich, please feel free to reach out and we try to help. The MIRMI community will figure out how to support you with lab/office space, jobs, or scholarships. We have a place where research activities can be carried out. More concrete offers will be posted on our homepage. Please email us at community@mirmi.tum.de

03. March 2022

Success Story: Robotics & AI Internship for Jufend Forscht Prize winner at MIRMI

Irene Bruckmeier, awarded 2nd place in Physics at the Jugend Forscht Regional Competition of Munich West in 2021, won the first edition of the Robotics & AI Internship organized by MIRMI and Franka Emika as a special prize for her project in Robotics 'Control and stabilization of a two-wheeled LEGO robot with Simulink' (original title: Regelung und Stabilisierung eines zweirädrigen LEGO-Roboters mit Simulink). This one-week internship covered theoretical and hands-on tasks in Robotics, from actuators and sensors, robotics control, collaborative (lightweight) robotics, mobile robots, MedTech robotics, CAD prototype design, 3D printing, industrial robotics to diagnostics and testing. She tells us her about experience in this Success Story.

22. – 23. February 2022

Jugend Forscht Munich West 2022

With the motto "zufälliggenial?" ("Accidentally brilliant?"), MIRMI together with Franka Emika and the Robokind Foundation hosted for the third time the Jugend Forscht competition on 22. and 23. February in Munich West. The last two editions of the event have taken place in an online format to prevent the spread of Covid-19. The public was able to visit the projects' digital booths on the platform Veertly. Our goal is to get young people interested in Science, Technology, Engineering, and Mathematics (STEM) and to promote talented individuals. The Jugend Forscht jury was made up of a large number of experts from the STEM sciences. The social commitment comes not only from companies, schools, and research centers but also from individuals such as former award winners and retired professionals. Find the best moments of the event in video.

31. January 2022

Who are we? - On the change of technology and the future of mankind

Are digitization and biotechnology increasingly turning technology into a subject and humans themselves into objects? At acatech on Tuesday, January 25, experts from these fields and the reflective sciences explored the question of how the technology we create shapes our self-image and our image of humanity.

Events and Calls

16. March 2022

Online talk by Dr. Claude Lacoursière: What the non-expert should know about physics simulation

Dr. Lacoursière is a Chief Scientist at [Algoryx Simulation](#), a company that has provided fast, modular, and high-fidelity physics engines such as AGX Dynamics. He is currently visiting MIRMI. In his talk, Dr. Lacoursière will speak about physics simulation. Algoryx and TUM are the partners of the [European Union's Horizon 2020 I.A.M. project](#) (Impact Aware Manipulation by Dexterous Robot Control and Learning in Dynamic Semi-Structured Logistic Environments).

30. March 2022

Call for applications – Robothon®

Robothon® – The Grand Challenge Series will go into the second digital round from April 24 – May 29, 2022 within the framework of [munich_i](#) and [automatica](#) which will take part from 21. to 24. June, 2022. Teams can apply with their own robotics platform to showcase their skills, be discovered, win cash prizes, and shape the future of robotics in science and industry by working on a real-world problem!

01. May 2022

Startups are to pave the way for sustainable city logistics in a new accelerator program

Seven actors located across Europe have joined forces in a new accelerator program under the auspices of UIT Urban Mobility. The Sustainable City Logistics Accelerator is an international six-month program for startups working with solutions to make logistics in cities more sustainable. The program is now open for applications from mobility startups working on solutions to make city logistics more sustainable. In the Sustainable City Logistics Accelerator, the participating startups will get one-to-one business coaching, mentoring, workshops, and a unique opportunity to test their solution in living labs in large cities across Europe. The partners, UnternehmerTUM (Munich), Futurebox (Copenhagen), PoliHub (Milan), Technion DRIVE (Haifa), ISBAK (Istanbul), TUM (Munich), and AZO (Gilching), are specialized in assisting startups in getting off the ground with their innovative solutions. Except for intensive coaching and mentoring, the startups will be offered office space in selected hubs, demo days, access to a network of some of the strongest hubs in Europe, international peer-to-peer learning, exposure to investors, and facilitated contact to test and demonstration facilities.

Recommended Readings

Sustainability criteria for Artificial Intelligence

By Rohde, Friederike; Wagner, Josephin; Reinhard, Philipp; Petschow, Ulrich; Meyer, Andreas, Voß, Marcus; Mollen, Anne

Artificial Moral Responsibility: How We Can and Cannot Hold Machines Responsible

By Daniel W. Tigard

Give us feedback

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

Looking for a challenge?

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