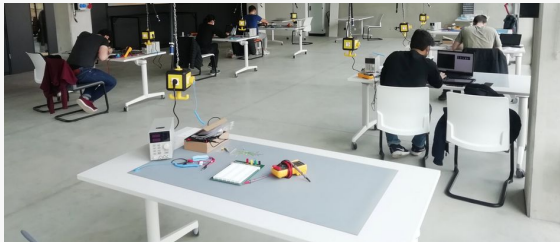


MSRM Monthly

Our latest research and insights

May 11, 2021



Munich Urban Colab (MUC) and TUM VL Robotics/AI opened!

Turn research results and ideas into a viable business venture at the TUM Venture Lab Robotics/AI. The initiative offers educational programs like IMD.L as well as venturing support, infrastructure, and networks in Munich.

#ROBOTICS #AI

[Learn more →](#)



Advanced Grant



Prof. Wolfgang A. Wall uses machine learning to create a computer model of the human lungs.
Image: Andreas Hedergott / TUM

Prof. Hendrik Dietz wants to develop artificial viruses from DNA origami.
Image: Astrid Eckert / TUM



PIs receive ERC Advanced Grants for ground-breaking, high-risk projects

Meet Prof. Hendrik Dietz and Prof. Dr. Wolfgang Wall, who want to develop artificial viruses from DNA origami and create a computer model of the human lungs using AI, respectively.

#AI #HEALTH

[Read the press release →](#)



MSRM and partners win euRobotics Technology Transfer Award

The team developed and integrated a safe and minimalistic control and learning (AI) algorithm into the robot VEMO to optimize the early rehabilitation of ICU patients.

#HEALTH #AI #ROBOTICS

[Learn more →](#)



Robots could safeguard people from pain

Why giving test subjects a “slap on the hand” could lay the foundations for the robots of the future? Ph.D. student Johannes Kühn and Prof. Sami Haddadin explain this to us in the interview Why robots need reflexes.

#ROBOTICSSAFETY #AI

[Read the press release →](#)



6G Cluster “Future laboratory” is launched at TUM

Prof. Wolfgang Kellerer aims to establish the key technical criteria for the new 6G wireless standard. A high-performance 6G network could enable tech applications from hologram-based communications to remote-controlled surgical procedures.

#AI #ROBOTICS #MOBILITY

[Read the press release →](#)



New early warning system for self-driving cars

A team of researchers at the Technical University of Munich (TUM) has developed a new early warning system for vehicles that uses artificial intelligence to learn from thousands of real traffic situations. A study of the system was carried out in cooperation with the BMW Group.

#MOBILITY #AI

[Read the press release →](#)

Additional insights from MSRM



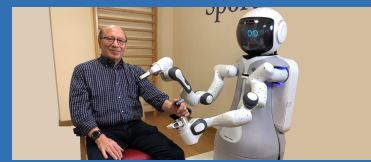
Prof. Hirche follows Prof. Cremers as Sector Leader of AI@MSRM.

[More information →](#)



Meet the new MSRM board of directors.

[More information →](#)



Geriatrics re-launched its new website and keeps its old link.

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