

MSRM Monthly

Our latest research and insights

September 20, 2021



Save the date for Robotics Forum – MSRM-ICL Summer School (11 - 13 October 2021)

During three days, PhD students from the Technical University of Munich (TUM) and Imperial College London (ICL) will have the opportunity to get an overview of the research carried out by various Chairs at TUM and ICL on the subject of "Embodied Perception for Real-Time Action", find solutions to robotics challenges, visit colleagues' laboratories, and strengthen their research network.

#ROBOTICS #EDUCATION

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Center for Artificial Intelligence soon in the Speinshart Monastery?

The Speinshart Monastery in the Upper Palatinate district of Neustadt an der Waldnaab could become the location for an international AI science and meeting center. The Bavarian AI Council, advisory committee that includes outstanding representatives from science and business as well as international AI experts among which are the MSRM (new MIRMI) members Prof. Alena Buyx, Prof. Alin Albu-Schäffer, Prof. Fabian Theis, and Prof. Sami Haddadin, spoke out in favor of this in its first meeting held on 15.09.2021.

#AI #INNOVATION

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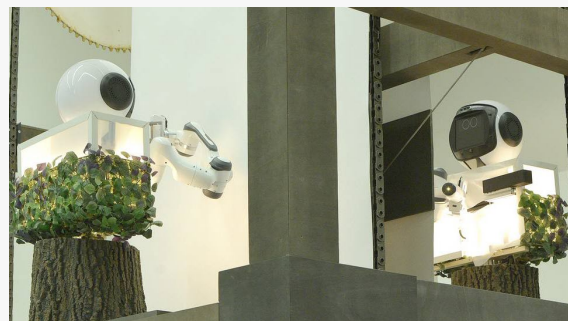


Ergonomie Aktuell, edition 22 is available online!

Check the last research insights about user-centered ergonomic design for vehicles, driving safety, human-machine interaction as well as information about the lighthouse initiative KI.FABRIK, OpAI4DNCS project, automated vehicles, movement behavior for robots, pedestrian behaviour simulators, and much more in the Edition 22 of "Ergonomie Aktuell", the annual newspaper of the TUM Chair for Ergonomics.

#ROBOTICS #FUTUREOF WORK

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In the Pinakothek der Moderne: KI.ROBOTIK.DESIGN

Robotics and artificial intelligence (AI) are playing a vital role in driving technological change. But their design also harbors the potential to take on new tasks in the development of processes and products. A new exhibition in the New Collection section of the modern art museum Pinakothek der Moderne in Munich explores the origins, history, current developments and the future of robotics and AI in four chapters. Planned by Prof. Sami Haddadin and implemented with his team, the exhibition opened on July 16, 2021.

#ROBOTICS #AI

[Learn more →](#)



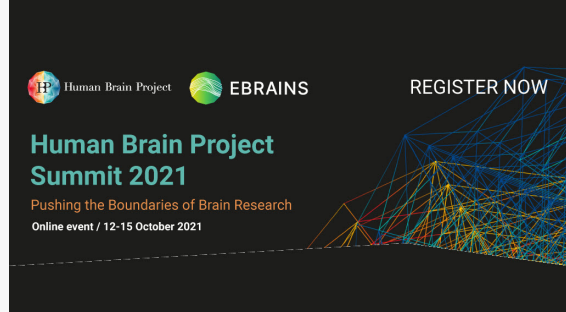
TUM Autonomous Motorsport is a winner of the Indy Autonomous Challenge Simulation Race!

In an entertaining race with overtaking maneuvers worth seeing, the TUM team claimed 2nd place and a prize money of \$50,000. The race took place in a simulation environment provided by Ansys. After passing this final virtual test, the team from the TUM Chair of Automotive Technology is now concentrating on transferring the software features to the real racing vehicle in Indianapolis.

#FUTUREOFMOBILITY #AI

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Registration for the Human Brain Project Summit 2021 is open!

The Human Brain Project Summit 2021 provides an open forum for hundreds of researchers, policy makers, media and public, to discuss the cutting-edge services and tools available on the EBRAINS Research Infrastructure, such as the Neurorobotics Platform (NRP), a simulation platform that enables users to choose and test different brain models for their robots. NRP is supported by the TUM Chair of Robotics, Artificial Intelligence and Real-Time Systems headed by Professor Alois Knoll, and the Research group on Fusing Augmented Reality headed by Professor Gudrun Klinker. The event will take place in an online format from 12 – 15 October.

#HEALTH #ROBOTICS #AI

[Learn more about robotics in HBP →](#)

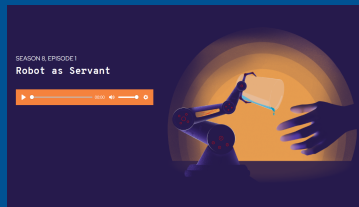
[Register here →](#)

Additional insights from MSRM



TUM teams presented the mobile world of the future at the Internationale Automobil-Ausstellung (IAA)

[Learn more →](#)



Robot as servant: Prof. Leila Takayama describes how beneficial ROS was to the field of robotics

[Listen to episode →](#)



Team at the Chair of Media Technology wins TMI Educational Video Competition for their video "Predicting Failures in Autonomous Driving".

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