

MIRMI Monthly

Our latest research and insights

October 22, 2021



MSRM is now MIRMI!

The Technical University of Munich (TUM) is undertaking a historical structural reform, converting its Faculties to Schools, and adapting the name of former institutes to the needs of an innovation-driven organization. In this context, “Institute” replaced the word “School” of our Munich School of Robotics and Machine Intelligence (MSRM). From 01 October 2021, the new name of MSRM is “Munich Institute of Robotics and Machine Intelligence” (MIRMI).

#NEWS

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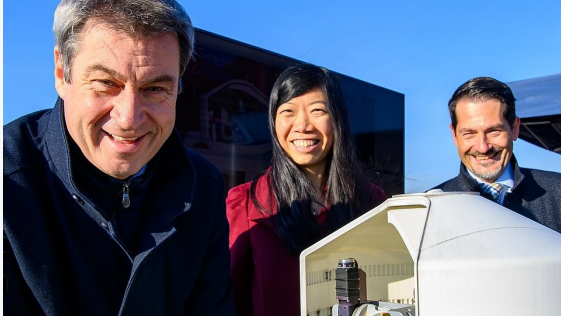


Prof. Dr. Nassir Navab honored with the MICCAI Enduring Impact Award (EIA) 2021

Prof. Dr. Nassir Navab, head of the Chair for Computer Aided Medical Procedures, was honored with the MICCAI Enduring Impact Award (EIA) 2021. The Enduring Impact Award is a prestigious annual prize awarded since 2009 to senior researchers whose work has made an enduring impact on the field of medical image computing and computer-assisted interventions. The award is granted by the Medical Image Computing and Computer-Assisted Intervention Society (MICCAI) based on a researcher's originality, successful clinical applications, publications, conferences, and education activities.

#FUTUREOFHEALTH #AWARD

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Dr. Markus Söder praises cutting-edge research 'Made in Bavaria'

Bavarian Minister-President Dr. Markus Söder was on the roof of a TUM building learning about a sensor network for measuring greenhouse gases which is unique worldwide. MUCCnet (Munich Urban Carbon Column network) is the first completely automated sensor network for the measurement of urban greenhouse gas emissions to use ground-based remote atmospheric sensing. The network was developed by a working group led by Jia Chen, professor for Environmental Sensing and Modeling at TUM. MUCCnet consists of five high-precision optical instruments that analyze the spectrum of sunlight, measuring concentrations of carbon dioxide (CO₂), methane (CH₄) and carbon monoxide (CO) in order to show the amounts of these gases which are generated directly in the city.

#FUTUREOFENVIRONMENT
#SUSTAINABILITYT

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Interview with Prof. Alois Knoll on the benefits of intelligent traffic systems

A team at the Technical University of Munich (TUM) has been working in the Providentia and Providentia++ projects to equip busy roads with advanced sensor technology. With artificial intelligence (AI), the data are digitally twinned to create a model of the real-world traffic situation. In this interview project leader Alois Knoll, a professor of Robotics, Artificial Intelligence and Embedded Systems, explains the underlying vision – and what needs to be done to keep pace with the future of digital mobility.

#FUTUREOFMOBILITY #AI

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Software standards: a must for the automotive industry?

"VW's software unit Cariad wants to overthrow Bosch, Conti and ZF". "BMW calls for a common German operating system". "The software still works like a flea circus". A glance at some of the daily newspaper headlines over the past few weeks shows that there is a need for discussion here. Our topic talk in cooperation with automotiveIT gets to the bottom of the matter.

#FUTUREOFMOBILITY #EVENT

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We are TUM – The Podcast: On AI and ONE MUNICH Strategy Forum

In the second episode of "We are TUM", the university's German-language podcast series, Leibniz Prize winner Daniel Cremers tells us where in humans he finds major inspiration for artificial intelligence. And Bavarian State Minister for Science and Arts Bernd Sibler will give you a look at the ONE MUNICH Strategy Forum, in which TUM and LMU are jointly exploring new research fields. The transcript of this episode is available in English.

#RESEARCH #AI

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Encouraging women to take up a digital profession at the BayFiD Kick-Off for Batch 3

BayFiD – Bayerns Frauen in Digitalberufen is the initiative of the Bavarian State Minister for Digital Affairs, Judith Gerlach. The initiative aims to establish a network of female digital professionals, where those who already have a successful career can help young women to achieve the same. This year's event on the 21st of September 2021 was the Kick-off Event of the third generation of young women talents, the so-called Batch3, and the overall topic was "Artificial Intelligence". To that end, some Members of the Bavarian AI Council were invited to speak in a panel discussion with Minister Gerlach and Ms. Formica-Schiller from the KI-Bundesverband.

#EDUCATION #BAYFID #EVENT
#WOMENINTECH

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CALL OPEN



IGSSE International Project Teams
Submission Deadline: November 17, 2021

Call for proposals: Research across borders and disciplines combined with high-level doctoral qualification & networking

IGSSE's call for proposals for collaborative, interdisciplinary research projects with international partners has opened. In this year's call for proposals, IGSSE targets collaboration with its partner universities in the EuroTech Universities Alliance. Proposals which exhibit a highly interdisciplinary approach and composition of the engaged researchers are especially welcome. Successful projects will be supported with a doctoral scholarship funded for a total of four years, combined with relevant funding for consumables and mobilities. The project is supplemented with an up-to-date, tailor-made qualification and networking program. The deadline for applications is November 17, 2021.

#RESEARCH #IGSSE-FUNDING

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Additional upcoming events



Curious today – Partner tomorrow? Topic: Smart Factory | Nov 2, 2021

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CIS Digital Twin Days | Nov 15-16, 2021

[Learn more →](#)



EAISI Summit 2021: The future impact of AI | Nov 15, 2021

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