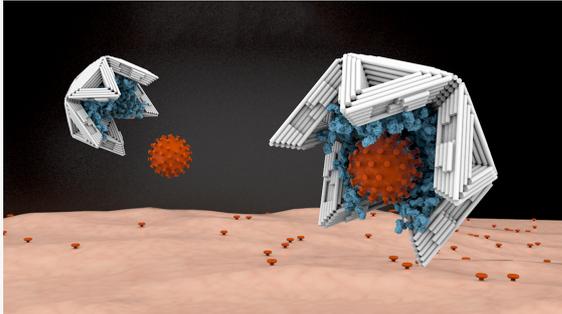


MSRM Monthly

Our latest research and insights

August 13, 2021



The virus trap

Hollow nano-objects made of DNA could trap viruses and render them harmless. An interdisciplinary research team at the Technical University of Munich (TUM) has now developed a new approach: They engulf and neutralize viruses with nano-capsules tailored from genetic material using the DNA origami method. The strategy has already been tested against hepatitis and adeno-associated viruses in cell cultures. It may also prove successful against corona viruses.

#MOLECULARROBOTICS #COVID-19

[Read official press release →](#)

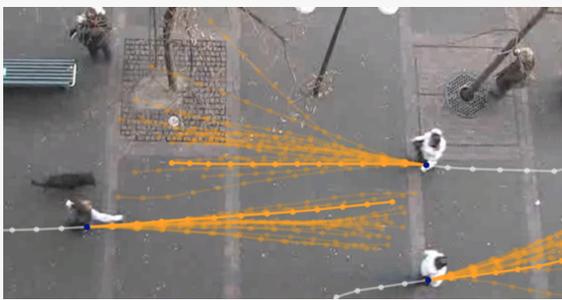


ILIAD project has been successfully completed!

TUM and project partners have completed 4.5 years of research. The ILIAD project was funded by the European Union's Horizon 2020 research and innovation program and developed robotic solutions that can integrate with current warehouse facilities, extending the state of the art to achieve self-deploying fleets of heterogeneous robots in multiple-actor systems.

#ROBOTICS #INNOVATION
#FUTUREOFWORK

[Learn more →](#)



Predicting movements by autonomous agents

The future motion of traffic participants is inherently uncertain. To plan safely, therefore, an autonomous agent must take into account multiple possible trajectory outcomes and prioritize them. With the FloMo model, researchers can model motion prediction. FloMo's performance and generalization is improved by a proposed method of stabilizing training flows. Such method achieves state-of-the-art performance on three popular prediction datasets, with a significant gap to most competing models.

#MOBILITY #PROVIDENTIA++ #RESEARCH

[Read Publication →](#)

[Learn more about the project →](#)



Factory of the future: How to work with intelligent robots

Robots have long been a reality in large factories. In a few years, with the help of Artificial Intelligence (AI), they will be able to support employees in assembly even in small companies. Prerequisite: The cooperation with the learning machines is safe and people are left with motivating, self-determined activities. In a fictitious application scenario, the Lernende Systeme platform takes a look into the future of industrial work. The interactive graphic illustrates how collaboration with AI-based robot systems is changing and what needs to be done so that employees benefit from the self-learning tools. MSR shows the work scenario "Schutz des Einzelnen".

#FUTUREOFWORK #AI

[Learn more →](#)

[Watch Scenario →](#)

Additional insights from MSR



ProteCT's robotics innovative solution to face COVID-19 receives an award

[Learn more →](#)



Discussion about digitization and Geriatrics in Garmisch-Partenkirchen

[Read Article →](#)



Join the virtual Munich Global Impact Sprint!

[Learn more →](#)

Give us feedback

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

Was this email forwarded to you?

Join our mailing list!

[Sign up →](#)

Follow us



Munich School of Robotics and Machine Intelligence (MSRM)
Heißstraße 134
80797 München
<https://www.msrm.tum.de/>

2021 MSRM. All Rights Reserved

[Change Preferences](#)

[Unsubscribe](#)