

## Dossiers

One topic, but a multiplicity of angles and perspectives. At TU Graz, scientists from different disciplines contribute to researching and answering one and the same question. This combined expertise on various key areas – from sustainable construction to the energy supply of the future or cryptography and cybersecurity – will gain increased visibility at TU Graz from May 2022 in the form of monthly topic dossiers. With news, interviews, basic information, videos, podcasts and expert opinions.

## Understanding AI

In playful, low-threshold workshops, the Austrian Computer Society (OCG), the Mobilis Science Center in Győr, Hungary, and the Institute of Software Technology at Graz University of Technology want to arouse interest in artificial intelligence (AI) in the general population directly in the communities and promote an informed, critical awareness of AI in the ENARIS project. Registrations are possible as of now.

## Honorary Doctorates

In recognition of their outstanding services in their respective fields, gender and technology expert Corinna Bath, mathematician Friedrich Gesztesy, medical scientist Gerhard Stark and innovation researcher Stefan Thomke were awarded honorary doctorates by TU Graz.

## Speedlimit

The maximum speed of signal transmission in microchips is about one petahertz (one million gigahertz), which is about 100,000 times faster than current transistors. Physicists from Ludwig Maximilian University of Munich, the Max Planck Institute of Quantum Optics and Vienna and Graz Universities of Technology have recently published this finding in the scientific journal Nature Communications. Whether computer chips of this maximum speed can ever actually be produced is, however, questionable.

## Innovation Award

The competence centre acib and the start-up Econutri won prizes in the category of "sustainability: R&D institutions" at the Innovation Award Styria 2022.



## Badge of Honour

TU Graz biotechnologist Gabriele Berg and TU Graz civil engineer Gerhard Schickhofer were awarded the Decoration of Honour of the State of Styria for Science, Research and the Arts by the State Government of Styria.

## Research Award

Gabriele Berg from the Institute of Environmental Biotechnology received the Research Award of the State of Styria 2021.

## Elmar L. Garden Award

Biotechnologist Bernd Nidetzky has received the Elmer L. Garden Award from the US journal Biotechnology and Bioengineering for his particularly influential, innovative, creative and original research, making him only the fourth European researcher to receive this award.