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Dear colleagues, research partners,  
and those interested in our research,

**Andrea Höglinger**  
Vice Rector for Research

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Our first half-year of research in 2026 got off to a very successful start. I would just like to present a few selected highlights in this issue of our magazine here.

In January, the Institute of Automotive Engineering and the Magna company opened the Advanced Driving Simulator. This is one of the most powerful driving simulators in the world and enables us to conduct cutting-edge research into driving dynamics, driving comfort, electromobility and automated driving. I am particularly pleased about this further strengthened collaboration with Magna – one of the most important local top companies. You can read everything you need to know about the new centre on page 10.

Only a short time later, we opened the TU Graz Cybersecurity Campus in Sandgasse. Spanning a floor area of around 5,000 square metres, this is where the technical expertise in the field of digital security is concentrated. The buildings offer sufficient space for research and teaching as well as for companies to rent and for start-ups.

The CD Laboratory for Structural Integrity in Rail Vehicle Design, which conducts research into greater energy efficiency and lower life cycle costs in rail transport, has also been launched. You can read about the detailed goals being pursued on page 14.

I hope this magazine provides you with some stimulating reading and that you have an enjoyable summer.

**Impressum/ masthead:** Owner: TU Graz. Publisher: Vice Rector for Research. Editor-in-Chief: Birgit Baustädter, Communications and Marketing, Rechbauerstraße 12/1, 8010 Graz. E-Mail: TU-research@tugraz.at Design/layout: TU Graz. Translation and proofreading: Andrew Peaston. Printing: Druckhaus Thalerhof. Print run: 2,000 copies. Our thanks go to the authors for providing the texts and photos. The editors reserve the right to make minor changes. Cover picture: TU Graz, TU Graz research is published twice a year. © TU Graz Publishing 2025, www.tugraz-verlag.at, ISSN 2074-9643. www.tugraz.at/go/research-journal

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### RESCUE ROBOT

Researchers at TU Graz, led by Gerald Steinbauer-Wagner, have developed a four-legged reconnaissance robot designed to assist emergency services in their rescue operations. Its capabilities include independently searching unsafe areas, detecting hazardous substances and monitoring restricted zones.

