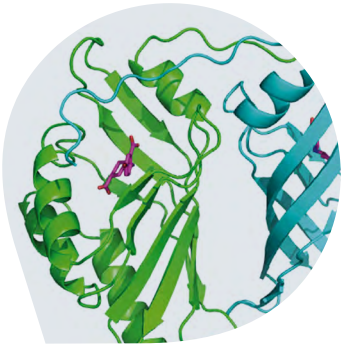
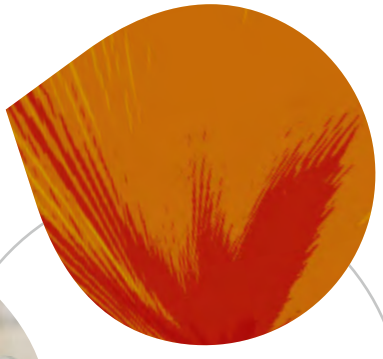




Fields of Expertise

TU Graz's research activities are grouped into five strategic, forward-looking Fields of Expertise. Researchers engage in interdisciplinary cooperation and benefit from different approaches and methods, shared resources and international exchange.

Advanced Materials Science

Editorial: Karin Zojer, Gregor Trimmel & Sergio Amancio

Advancing a Sustainable Future with Research on Emerging Solar Cell Technologies
Thomas Rath

Human & Biotechnology

Editorial: Gabriele Berg and Christian Baumgartner

Controlling Protein Function by Small Molecules
Rolf Breinbauer

Information, Communication & Computing

Editorial: Kay Uwe Römer

Acoustics and Environmental Noise
Christian Adams

Mobility & Production

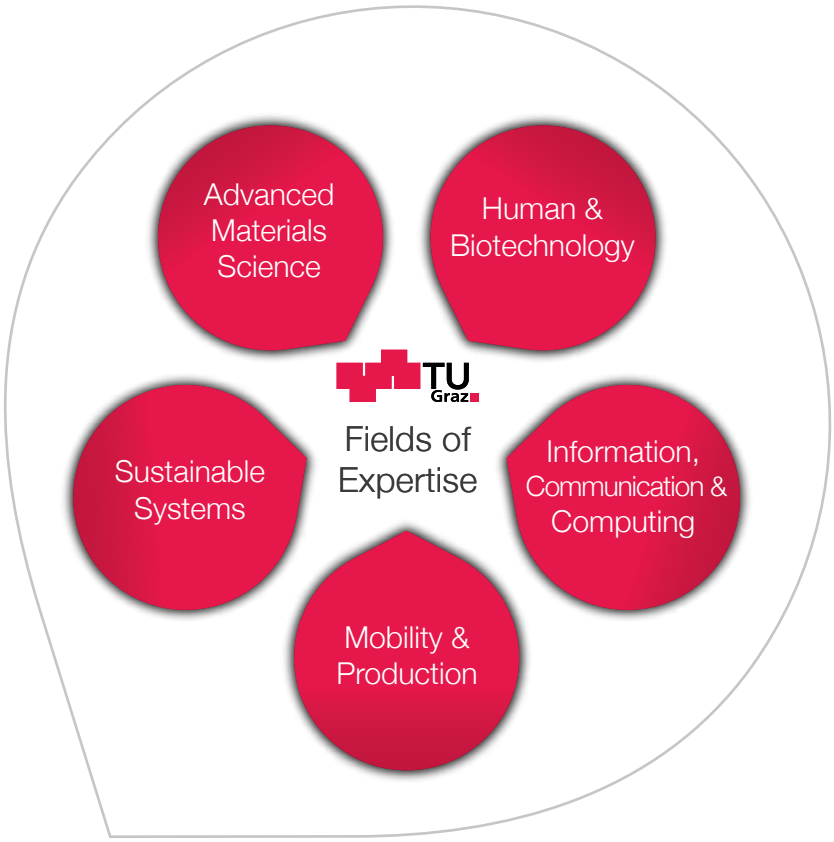
Editorial: Rudolf Pichler

Iron and Hydrogen – A Perfect Match
Susanne Lux and Viktor Hacker

Sustainable Systems

Editorial: Urs Leonhard Hirschberg

Towards a CO_2-Based Circular Economy
Regina Kratzer



TU Graz has divided its research into five innovative areas: the Fields of Expertise. Researchers in the Fields of Expertise break new ground in basic research. They take part in interdisciplinary cooperation, gain support for outstanding projects and are based in the region as well as part of international networks. They also develop key technologies for industry and commerce, and perform research in the framework of company shareholdings and partnerships.

Source: TU Graz

ADVANCED MATERIALS SCIENCE
Researchers aim to understand the smallest components in the structure and function of new materials, and develop and assemble them in special processes.

HUMAN & BIOTECHNOLOGY
Researchers develop devices and methods for medical applications and therapies, and focus on using enzymes and living microorganisms such as bacteria, fungi and yeast in technical applications.

INFORMATION, COMMUNICATION & COMPUTING
Researchers face challenges prompted by the information age, for example data security and efficient use of the ever-increasing volume of data.

MOBILITY & PRODUCTION
Researchers investigate novel vehicle technologies, new drive systems and more economical product manufacturing processes.

SUSTAINABLE SYSTEMS
Scientists focus on the complex challenges presented by a growing population and increasingly scarce natural resources.