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Joint Research – Examples of good practice and future challenges

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Identity

TU Darmstadt plays its part in addressing the urgent issues of the future through research, teaching and technology transfer at the highest level.

Technology is at the heart of all disciplines.

The Natural Sciences as well as Social Sciences and Humanities cooperate closely with Engineering.
History

1836 Established as a higher vocational school and polytechnic institute
1877 Becomes an institute of technology
1913 Germany's first female graduate engineer
2005 Germany's first autonomous university
Departments

**Engineering**
Civil and Environmental Engineering
Architecture
Mechanical Engineering
Electrical Engineering and Information Technology
Computer Science

**Natural Sciences**
Mathematics
Physics
Chemistry
Biology
Materials and Earth Sciences

**Humanities**
Law and Economics
History and Social Sciences
Human Sciences
Our profile areas:
Cybersecurity (CYSEC)
Internet and Digitalisation
Matter and Radiation Science (MaRS)
Thermo-Fluids & Interfaces (TFI)
Future Energy Systems (ENERGY)
From Material to Product Innovation (PMP)
TU Darmstadt‘s institutional internationalization

TU Darmstadt‘s world-wide network is based on international Strategic, University & Department Partnerships.

The different types of international partnerships allow us to further sharpen our profile and to enhance our performance in research and education.
History of partnership between TU Darmstadt and Taiwanese Universities

A first collaboration between TU Darmstadt and a Taiwanese university was established in 1987.

Followed by a TU9 delegation in autumn 2015, novel relationships were initiated which have resulted in new university collaborations.
Examples of research collaboration

TU Darmstadt and its Taiwanese partners collaborate in different research areas.

Joint research activities are initiated bottom up as well as top down.
Best practice: Cybersecurity

Researchers of TU Darmstadt and Academia Sinica Research Center for Information Technology Innovation (CITI) collaborate in the field of Cybersecurity.
Best practice: Energy Science and Engineering

Researchers of TU Darmstadt and National Cheng Kung University collaborate in the field of Energy Science and Engineering.
TU Darmstadt aims at broadening and deepening of research collaborations complemented by joint teaching projects and cooperation on an institutional level.

Thus, research collaborations of profile areas are the driving force for the implementation of strategic international collaborations.
Words of recommendation
"In my opinion, you definitely ought to go to Darmstadt. They have a good polytechnic school there."

Albert Einstein, 1919