

der Bundeswehr
Universität  *München*

Research Centers

CODE | MIRA | MOVE | RISK

der Bundeswehr
Universität  **München**

The Bundeswehr University Munich is an educational and research university according to Humboldt's ideal and is well-established in the national and international research landscape.

It focuses on the academic education of young officers in a trimester system. The ideal framework conditions of a campus university with an outstanding infrastructure offer a broad range of working and cooperation facilities notably in research. Due to the excellent trans-faculty cooperation in automobile, security and aerospace research, the Bundeswehr University Munich is recognized and plays a leading role in these fields also in international research.



The Bundeswehr University Munich offers a wide range of research programs and options



Excellent scientific infrastructure allows for cutting-edge research



The University participates in numerous international projects such as "Galileo"

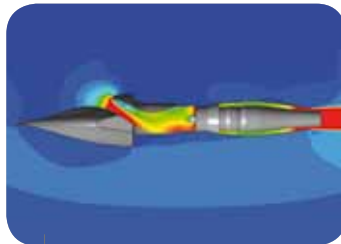


It is of crucial importance for the further development of a university to promote its research reputation. The Bundeswehr University Munich has established four Research Centers – CODE, MIRA, MOVE and RISK in order to focus on its unique research expertise. The Research Centers join existing cooperation programs within the University and serve as central points of contact for researchers from inside the University and outside.

The common goal of the Research Centers is to make the research strengths of the University visible and position them in the national and international research landscape. Further goals varying from Research Center to Research Center are, among others, the promotion of young scientists, user consultancy as well as the establishment and extension of external research cooperation programs.



CODE – Cyber Defence



MIRA – Munich Integrated Research on Aerospace



MOVE – Modern Vehicles



RISK – Risk, Infrastructure, Security and Conflict

Monitoring the IT security
of networked systems



Security breaches in the virtual world



Protecting the virtual world



Research Center Cyber Defence

Universität der Bundeswehr München

Information and communication technology (ICT) permeates all areas of modern society and is the driver of innovation in business and research. This ubiquity has already led to strong dependencies in the public and private sectors. The security of ICT as well as the defence against cyber attacks are essential challenges.

The Research Center CODE brings researchers from different scientific disciplines across faculties together and integrates experts from industry and public service. CODE holistically and integratively approaches technical innovations for the protection of data and systems in compliance with legal and economic conditions.

Communication & Navigation



Mission & Guidance



Platforms & Operation



RC **Research Center**
Munich Integrated Research on Aerospace
Universität der Bundeswehr München

Aerospace systems as well as their applications and related services are, by nature, interdisciplinary. Methodology, approaches and procedures from different disciplines of science and engineering contribute to the efficient and economical development of technical systems, their safe operation and optimised utilisation by the end user.

The MIRA Research Center reflects this interdisciplinary nature by actively promoting and supporting as a common platform within the university the cooperation of experts from different scientific fields and departments.

This enables us to address questions and topic areas in a system-oriented, comprehensive and holistic manner.

Individual Traffic of Tomorrow



Electromobility



Human Machine Interaction



**Research Center
Modern Vehicles**

Universität der Bundeswehr München

The MOVE Research Center combines three core competencies that are necessary and at the same time complementary to study modern individual traffic in the context of a growing energy and raw material shortage.

Besides the basic research into an energy efficient vehicle design, MOVE develops driver assistance systems that facilitate energy efficient driving. To make driver assistance systems meet both technical demands and the needs of people, they also engage in man-machine interaction and user-oriented system design.

Road Barriers:
Freedom vs Security



Access Controls:
Acceptance vs. Refusal



Bad Reichenhall:
Risk vs. Uncertainty



RC **Research Center**
Risk, Infrastructure, Security and Conflict
Universität der Bundeswehr München

The RISK Research Center aims at integrating the different risk and security perspectives prevailing in social and natural sciences and in engineering.

The work of the Research Center begins with research into the "logic" of decisions in uncertain situations, asks about the complex correlation of "security" and "freedom" concepts and studies the regulation of transnational conflicts. It deals with the safety and security of constructional infrastructure in view of natural disasters, international terrorism and organized crime under the stresses of political provisions, social acceptance and economic readiness to pay.

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