

Welcome to Fraunhofer FKIE

Prof. Dr. Peter Martini

The Fraunhofer Institute for Communication, Information Processing and Ergonomics (FKIE) employs currently 190 staff members, who perform studies in computer science and ergonomics with application to the defence research area of command & control, communications, intelligence, surveillance, and reconnaissance (C3ISR).



FKIE site in Wachtberg

There is a broad spectrum of single research topics. We deal among others with the development of modern target tracking procedures in a network of different sensors, with the selection and design of communication systems, with problems of information dissemination in radio networks – also over long distances - with the reconnaissance of location and property of transmission devices, with the condensed processing (fusion) and consistent distribution of data in complex Communication and Information Systems (CIS) up to the design and implementation of intelligent user interfaces.

Premises and challenge of our work is the fast progress of information technology which offers a huge potential to improve military systems.

Single steps of our approach are to identify those potentials, to develop methods and procedures to transfer this into applications, and to conduct feasibility studies and cost estimates based on experimental work.

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