

German Research Center for Artificial Intelligence

Company Profile



Kaiserslautern Site



Saarbrücken Site



Bremen Site



Laboratory Berlin



Laboratory Niedersachsen
Osnabrück and Oldenburg

► Established

1988, non-profit organization
(public-private partnership)

► Executive Board

- Prof. Dr. Antonio Krüger
- Helmut Ditzer

► Supervisory Board

- Dr.-Ing. Gabriël Clemens (VSE AG),
Chair
- Dr. Susanne Reichrath,
Representative of Saarland's Minister
President for Higher Education,
Science and Technology, Vice Chair

► Locations

Kaiserslautern (registered office), Saarbrücken,
Bremen, Berlin (laboratory), Niedersachsen
(laboratory) and further operating sites in
Lübeck and Trier

► Shareholders

Accenture, Airbus Group, Bilfinger SE, BMW AG,
Cerence GmbH, CLAAS KGaA mbH, Daimler
AG, Deutsche Börse AG, Deutsche Messe AG,
Deutsche Telekom AG, Empolis Information
Management GmbH, Fraunhofer Gesellschaft
e.V., Google Inc., HARTING AG & Co. KG, Intel
Corporation, John Deere GmbH & Co. KG,
KIBG GmbH, Microsoft Deutschland GmbH,
Münchener Rückversicherungs-Gesellschaft
Aktiengesellschaft in München, NVIDIA
GmbH, RICOH Company Ltd., Robert Bosch
GmbH, ROSEN Swiss AG, SAP SE, Sartorius
Ventures GmbH, Schwarz-Gruppe, Software
AG, Technische Universität Kaiserslautern,
Universität Bremen, Universität des Saarlandes,
Volkswagen AG, VSE AG, ZF Friedrichshafen AG

► Equity Holding

AITC Europe GmbH, Berlin
DFKI Industrials GmbH, Bremen
EIT ICT Labs Germany GmbH, Berlin
GraphicsMedia.net GmbH, Kaiserslautern

► Key Figures

- Annual Budget 2020: € 76.3 million
- Professional staff: 850
- Graduate student staff: 630

Intelligent Solutions for the Knowledge Society

The German Research Center for Artificial Intelligence (DFKI) was founded in 1988 as a non-profit public-private partnership. It has research facilities in Kaiserslautern, Saarbrücken and Bremen, laboratories in Berlin and Niedersachsen and branch offices in Lübeck and Trier. In the field of innovative commercial software technology using Artificial Intelligence, DFKI is the leading research center in Germany.

Based on application oriented basic research, DFKI develops product functions, prototypes and patentable solutions in the field of information and communication technology. Research and development projects are conducted in 24 research departments, nine competence centers and eight living labs. Funding is received from government agencies like the European Union, the Federal Ministry of Education and Research (BMBF), the Federal Ministry for Economic Affairs and Climate Action (BMWK), the German Federal States and the German Research Foundation (DFG), as well as from cooperation with industrial partners. Twice a year, a committee of internationally renowned experts (Scientific Advisory Board) audits the progress and results of state-funded projects.

Apart from the state governments of Rhineland-Palatinate, Saarland and Bremen, numerous renowned German and international high-tech companies from a wide range of industrial sectors are represented on the DFKI supervisory board. The DFKI model of a non-profit public-private partnership (ppp) is nationally and internationally considered a blueprint for corporate structure in the field of top-level research.

DFKI is actively involved in numerous organizations representing and continuously advancing Germany as an excellent location for cutting-edge research and technology. Far beyond the country's borders DFKI enjoys an excellent reputation for its academic training of young scientists. At present, approx. 850 highly qualified researchers, administrators and 630 graduate students from more than 65 countries are contributing to more than 400 DFKI research projects. DFKI serves as a stepping stone to leading positions in industry and successful careers as founders of spin-off companies. Over the years, more than 160 staff members have been appointed professors at universities in Germany and abroad.

CONTACT

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Corporate Spokesperson

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Research & Development

► Research Departments

Kaiserslautern Site

- Prof. Dr. Prof. h.c. Andreas Dengel Smart Data & Knowledge Services
- Prof. Dr. Paul Lukowicz Embedded Intelligence
- Prof. Dr. Martin Ruskowski Innovative Factory Systems
- Prof. Dr. Hans Schotten Intelligent Networks
- Prof. Dr. Didier Stricker Augmented Vision
- Prof. Dr. Sebastian Vollmer Data Science and its Applications

Saarbrücken Site

- Prof. Dr. Josef van Genabith Multilinguality and Language Technology
- Prof. Dr. Antonio Krüger Cognitive Assistants
- Prof. Dr. Peter Loos Institute for Information Systems
- Prof. Dr. Wolfgang Maaß Smart Service Engineering
- Prof. Dr. Philipp Slusallek Agents and Simulated Reality

Bremen Site

- Prof. Dr. Rolf Drechsler Cyber-Physical Systems
- Prof. Dr. Dr. h.c. Frank Kirchner Robotics Innovation Center (RIC)

Laboratory Berlin

- Prof. Dr. Gesche Joost Interactive Textiles
- Prof. Dr. Volker Markl Intelligent Analytics for Massive Data
- Prof. Dr. Sebastian Möller Speech and Language Technology
- Prof. Dr. Niels Pinkwart Educational Technology Lab

Laboratory Niedersachsen

Osnabrück:

- Prof. Dr. Joachim Hertzberg Plan-Based Robot Control
- Prof. Dr. Oliver Thomas Smart Enterprise Engineering

Oldenburg:

- Prof. Dr. Daniel Sonntag Interactive Machine Learning
- Prof. Dr. Oliver Zielinski Marine Perception

Branch Office Lübeck

- Prof. Dr. Heinz Handels AI in Medical Imaging
- Prof. Dr. Alfred Mertins AI in Biomedical Signal Processing
- Prof. Dr. Ralf Möller Stochastic Relational AI in Healthcare

► Competence Centers

Coordination of research activities in particular areas

- AI for Environment and Sustainability
- Ambient Assisted Living
- Autonomous Driving
- Deep Learning
- Emergency Response and Recovery Management
- Safe and Secure Systems
- Semantic Web
- Smart Agriculture Technologies
- Wearable AI

► Living Labs

Testing, evaluation, and demonstration of innovative technologies in comprehensive application scenarios

- Advanced Driver Assistance Systems Living Lab
- Bremen Ambient Assisted Living Lab
- Immersive Quantified Learning Lab (IQL)
- Innovative Retail Lab
- Robotics Exploration Lab
- Smart City Living Lab
- SmartFactory-KL
- Smart Office Space Living Lab

Service

► CertLab – Certified testing laboratory for IT security

For the promotion of credible and trustworthy Artificial Intelligence



Scientific Excellence and Transfer

► International Scientific Advisory Board

Bi-annual evaluation of publically funded projects

- Prof. Dr. Andreas Butz,
Ludwig-Maximilians-Universität, München, Chairman

► Leading-Edge Research

DFKI is the only German institute for computer science to participate in each of the three leading-edge research clusters

- Cluster of Excellence “Multimodal Computing and Interaction” funded by the German Research Foundation (DFG)
- Leading-Edge Cluster
“Software Innovations for the Digital Enterprise” funded by BMBF
- European Institute of Innovation and Technology (EIT Health & EIT Manufacturing)

► Research Associations

- Campus Automatisierung und Digitalisierung
- FIWARE
- Science & Innovation Alliance Kaiserslautern and others

► Promoting Young Talent

- DFKI is a founding member and core partner of the Software Campus to promote managerial talent in the IT industry

► Academic Chairs

More than 160 former staff members have been appointed professors at universities in Germany and abroad

► Spin-offs

103 spin-off companies have created more than 2,500 highly skilled jobs

Committees and Academies

DFKI is represented by its scientific directors on numerous committees and academies

► Scientific and Government Committees

- Big Data Value Association
- Brazilian Institute of Robotics (BIR)
- Center of Innovation Program of the Japanese Ministry of Education (COI)
- Feldafinger Kreis
- Informationstechnische Gesellschaft (ITG)
- Management Board of the International Computer Science Institute in Berkeley
- Münchner Kreis
- National Institute of Informatics (NII, Tokio)
- Präsidium des Verbandes der Elektrotechnik Elektronik Informationstechnik e.V. (VDE)
- Program Committee of the National Aeronautics and Space Research Centre DLR
- Steering Committee of the German Informatics Society (GI) and others

► Business Committees

- Digital Stationery Consortium
- Flexible Factory Partner Alliance (FFPA)
- 5G Alliance for Connected Industries and Automation (5G-ACIA) and others

► Scientific Academies

- Academy of Sciences and Literature
- Berlin-Brandenburg, Academy of Sciences
- European Academy of Sciences
- German National Academy of Sciences Leopoldina
- National Academy of Science and Engineering
- Royal Swedish Academy of Sciences and others



Kaiserslautern Site

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Saarbrücken Site

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