

German Research Center for Artificial Intelligence

Company Profile



Standort Kaiserslautern



Standort Saarbrücken



Standort Bremen



Projektbüro Berlin

► Established

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

► Executive Board

- ▷ Prof. Dr. Jana Koehler, CEO
- ▷ Dr. Walter Olthoff, CFO

► Supervisory Board

- ▷ Prof. Dr. h.c. Hans-Albert Aukes, 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 (project office). Further operating sites in Osnabrück and St. Wendel

► Shareholders

Accenture, Airbus Group, BMW AG, 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, Nuance Communications Deutschland GmbH, RICOH Company Ltd., Robert Bosch GmbH, SAP SE, Software AG, University of Kaiserslautern, Bremen University, Saarland University, Volkswagen AG, VSE AG

► Equity Holding

GraphicsMedia.net GmbH, Kaiserslautern – Ground Truth Robotics GmbH, Bremen

► Key Figures

- ▷ Annual Budget 2017: € 45.9 million
- ▷ Total Assets 2017: € 130.2 million
- ▷ Professional staff: 567
- ▷ Graduate student staff: 452

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, a project office in Berlin, and branch offices in Osnabrück and St. Wendel. 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 seventeen research departments and research groups, eight 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 Energy (BMWi), 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. In addition, BMBF evaluates DFKI regularly. The most recent assessment was again very successfully concluded in 2016.

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, 567 highly qualified researchers, administrators and 452 graduate students from more than 65 countries are contributing to more than 250 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 140 staff members have been appointed professors at universities in Germany and abroad.

Contact

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Research & Development

► Research Departments and Research Groups

Kaiserslautern Site:

- ▷ Prof. Dr. 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

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. h.c. Frank Kirchner:
Robotics Innovation Center (RIC)
- ▷ Prof. Dr. Joachim Hertzberg:
Plan-Based Robot Control, RIC Branch Office
Osnabrück

Project Office Berlin:

- ▷ Prof. Dr. Christoph Igel:
Educational Technology Lab
- ▷ Prof. Dr. Gesche Joost:
Interactive Textiles
- ▷ Prof. Dr. Volker Markl:
Intelligent Analytics for Massive Data
- ▷ Prof. Dr. Sebastian Möller:
Speech and Language Technology

► 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

► Competence Centers

Coordination of research activities in particular areas:

Ambient Assisted Living, Autonomous Driving, Deep Learning, Emergency Response and Recovery Management, Safe and Secure Systems, Smart Agriculture Technologies, Wearable AI

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 Digital & 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 140 former staff members have been appointed professors at universities in Germany and abroad

► Spin-offs

88 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