

SERVICES FOR INTERNATIONAL JOUNG SCIENTISTS

The university has set up a cross-faculty structure to support internationalization and to coordinate activities and high-ranking (post)graduate programs.

International Affairs RPTU & its International School for Graduate Studies ISGS

As a one-stop office for international graduate and doctoral students, ISGS provides a broad range of highly professionalized services for incoming European and third-country postgraduates and young researchers:



- Effective pre-departure communication
- Arrangements for accommodation & arrival
- Support & guidance in administrative issues
- Language & orientation courses
- Social and family services
- Social events (excursions, hiking tours, festivities)
- Professional skills workshops
- Industrial visits
- Career services
- Networking events
- Graduation Ceremony

<https://rptu.de/en/international/home>

Network for the promotion of young scientists

The *TU-Nachwuchsring* supports young scientists (PhD students, postdocs, junior group leaders, junior professors, tenure-track professors) at RPTU in Kaiserslautern regarding the development of their careers.

<https://rptu.de/nachwuchsring/startseite>

RPTU in Kaiserlautern

TECHNOLOGY TRANSFER

RPTU and its partner research institutions offer highly professional services in the fields of technology transfer and patenting.

Department for Technology & Innovation (RTI)

RTI is a modern service center for business & science, offering:

- Technology consultancy
- Transfer of information
- Patenting services

RTI supports the dialog and the cooperation between RPTU and industry. For companies it facilitates the access to RPTU and its partner research institutes. Furthermore RTI provides information from the fields of technology, science & economy and helps to make patents and other industrial property rights accessible.

<https://www.rti.uni-kl.de/>

Start-Up Office (Gründungsbüro)

The Start-Up office gives information and advice for university community members, including alumni, who are interested in setting up a company. It also provides workshops & trainings aimed at acquiring skills needed for setting up a company

<https://gruendungsbuero.info/en/>



RPTU in Kaiserlautern

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INTERNATIONAL AFFAIRS
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RESEARCH TRAINING

at RPTU in Kaiserslautern

R
TU
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Rheinland-Pfälzische
Technische Universität
Kaiserslautern
Landau

RPTU is a research-oriented university focusing on high-quality graduate education and applied research. The university's field of research spans from fundamental to applied science, even including selected areas of R&D for industry. With its technological profile, the university has acquired an impressive international reputation. RPTU in Kaiserslautern is recognized as one of the largest IT clusters in Europe.

In addition to being the nucleus of the *Science & Innovation Alliance Kaiserslautern*, a local consortium of high-profile research institutes, RPTU has strong ties to national and international industries. Furthermore RPTU is part of the international University association *University of the Greater Region (UniGR)* which provides a framework for international PhD study programs as well as for Cotutelle-PhDs.

<https://rptu.de/en/research>

RPTU Departments:

- Architecture
- Biology
- Business & Economics
- Chemistry
- Civil Engineering
- Computer Science
- Cultural & Social Sciences (RPTU in Landau)
- Educational Sciences (RPTU in Landau)
- Electrical & Computer Engineering
- Mathematics
- Mechanical & Process Engineering
- Natural & Environmental Science (RPTU in Landau)
- Physics
- Psychology (RPTU in Landau)
- Social Sciences
- Spatial & Environmental Planning

<https://rptu.de/en/about-us/organisation/faculties>

RPTU FAST FACTS*

17.000	students enrolled (approx.)
18,5%	international students (RPTU in Kaiserslautern: 27,9%)
25 (>40)	international graduate programs (specializations)
1.535	doctoral candidates (of whom international: 27,9%)
295	professorships
97 Mio.€	external third-party-funds (2023) *WS 2024/25

RPTU offers two types of research centered doctorate/PhD programs that basically differ with respect on how to find your research project. Most doctoral candidates in Germany choose the individual access, where an university professor will supervise your dissertation individually. As an alternative you can apply for one of our structured programs you find below. Please note: not all of them offer a structured application process; sometimes you also will need to approach the professors individually to become member of such a program.

Structured PhD Program

Computer Science

www.cs.uni-kl.de/en/studium/prom

Graduate Schools

Mathematics as a Key Technology

www.mathematik.uni-kl.de/en/organisation/graduate-school

Commercial Vehicle Technology

www.uni-kl.de/cvt

Profile Areas

Advanced Materials Engineering (AME)

<https://rptu.de/ame>

Complex Data Analysis in Life Sciences & Biotechnology (BioComp)

<https://rptu.de/biocomp>

State Research Center for Optics & Materials Sciences (OPTIMAS)

<https://optimas.uni-kl.de/>

Federal ministries project funding for RPTU projects

5G Model Region Kaiserslautern

<https://www.5g-kaiserslautern.de/>

Open6GHub

<https://eit.rptu.de/en/fgs/wicon/projects/funded-projects/open6ghub>

Fraunhofer High Performance Center Simulation & Software-Based Innovation

<https://www.leistungszentrum-simulation-software.de/>

DFG* - International Research Training Groups

GRK 2277	SMiP - Statistical Modeling in Psychology
GRK 2360	SystemLink
GRK 2737	Molecular mechanisms to preserve the functionality of membranes & compartments during stress conditions

<https://rptu.de/en/research/coordinated-research>

DFG* - Collaborative Research Centers

SFB/TRR 173	Spin+X Spin in its collective environment
SFB/TRR 175	The Green Hub Central coordinator of acclimation in plants
SFB/TRR 185	OSCAR Open System Control of Atomic & Photonic Matter
SFB/TRR 195	Symbolic Tools in Mathematics & their Application

<https://rptu.de/en/research/coordinated-research>

DFG* - Collaborative Research Centers with RPTU as Partner

SFB/TRR 306	QuCoLiMa Quantum Cooperativity of Light & Matter
SFB 1439	RESIST Multilevel response to stressor increase & release in stream ecosystems
SFB 1527	HyPERiON High Performance CompactMagnetic Resonance

<https://rptu.de/en/research/coordinated-research>

*DFG: Deutsche Forschungsgemeinschaft (German Research Foundation)

HORIZON Europe projects

ERC Grants

Integrated Projects (IP)

Marie-Skłodowska-Curie-Grants

<https://rptu.de/en/research/coordinated-research>

SIAK is a multidisciplinary network that serves scientists and co-operation partners from economy and administration as a joint platform. Most partner institutes from research and research-oriented institutions are located next to campus.

Members of the Alliance - Related to Research:

Rheinland-Pfälzische Technische Universität Kaiserslautern-Landau
www.rptu.de

University of Applied Sciences - Hochschule Kaiserslautern
www.hs-kl.de

Fraunhofer Institute for Industrial Mathematics (ITWM)
www.itwm.fraunhofer.de

Fraunhofer Institute for Experimental Software Engineering (IESE)
www.iese.fraunhofer.de

German Research Center for Artificial Intelligence (DFKI)
www.dfki.de

Max Planck Institute for Software Systems (MPI SWS)
www.mpi-sws.org

Institute for Composite Materials (IVW) GmbH
www.ivw.uni-kl.de

Institute for Surface & Thin Film Analysis (IFOS) GmbH
www.ifos.uni-kl.de

Research Institute for Technology and Work (ITA) e.V.
www.ita-kl.de

Institute of Biotechnology and Drug Research (IBWF)
www.ibwf.de

More information: www.siak-kl.com

AI RESEARCH @ RPTU

RPTU is part of the AI Alliance Rhineland-Palatinate
<https://www.ki-allianz-rlp.de/forschung/einrichtungen/>

RPTU AI Alliance research center: Center for Mathematical & Computational Modelling (CM)²
<https://www.ki-allianz-rlp.de/forschung/einrichtungen/center-for-mathematical-and-computational-modelling/>

RPTU collaboration with German Research Center for Artificial Intelligence (DFKI)
<https://www.dfki.de/>

RPTU professors as „AI Ambassador of the State of Rhineland-Palatinate“
<https://www.ki-allianz-rlp.de/en/forschung/botschafterin-botschafter/>

RPTU as part of the research initiative Rhineland-Palatinate „AI Enhanced Cognition and Learning“
<https://t3dev14.rhrk.uni-kl.de/forschung/forschunginitiative-rlp/ai-enhanced-cognition-and-learning>