

## Services for International Early Career Researchers

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

### The Department of International Affairs: ISGS



As a one-stop office for international graduate and doctoral students, the 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

[www.uni-kl.de/international](http://www.uni-kl.de/international)

## Technology Transfer

*Technische Universität Kaiserslautern* and its partner research institutions offer highly professional services in the fields of technology transfer and patenting.

### Department for Technology and 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 TUK and industry. For companies it facilitates the access to TUK 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.

[www.rti.uni-kl.de](http://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



[www.gruendungsbuero.info](http://www.gruendungsbuero.info)

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[www.uni-kl.de](http://www.uni-kl.de)

DEPARTMENT OF  
INTERNATIONAL AFFAIRS:  
ISGS

# RESEARCH TRAINING

at TU Kaiserslautern



[www.uni-kl.de](http://www.uni-kl.de)  
>international  
>PhD

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

In addition to being the nucleus of the Science Alliance Kaiserslautern, a local consortium of high-profile research institutions, the university has strong ties to national and international industries.

## Departments:

- Architecture
- Biology
- Business and Economics
- Chemistry
- Civil Engineering
- Computer Science
- Electrical and Computer Engineering
- Mathematics
- Mechanical and Process Engineering
- Physics
- Social Sciences
- Spatial and Environmental Planning

[www.uni-kl.de](http://www.uni-kl.de)

## SNAPSHOT 2018

13.733	students enrolled
2.673	international students
109	study courses (bachelor, master, diploma, PhD)
216	professorships
1,439	academic & scientific staff (approx.)
€ 215,8	Mio. € budget (~70% state financed) (2017)
€ 64,7	Mio.€ external third-party-funds (2017)

TUK offers two types of research centered doctorate/PhD programs that basically differ with respect on how to find your individual research project:

- Individual access
- Access via a structured program

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, too.

[www.uni-kl.de/en/research](http://www.uni-kl.de/en/research)

## Structured PhD Programs

### Mathematics in Industry and Commerce

[www.mathematik.uni-kl.de/MIC](http://www.mathematik.uni-kl.de/MIC)

### Computer Science

[www.cs.uni-kl.de/en/studium/prom](http://www.cs.uni-kl.de/en/studium/prom)

## Graduate Schools

### Mathematics as a Key Technology

[www.mathematik.uni-kl.de/en/organisation/graduate-school](http://www.mathematik.uni-kl.de/en/organisation/graduate-school)

### Commercial Vehicle Technology

[www.uni-kl.de/cvt](http://www.uni-kl.de/cvt)

### Graduate School of Excellence (GSC 266)

### Materials Science in Mainz (MAINZ)

[www.mainz.uni-mainz.de](http://www.mainz.uni-mainz.de)

## DFG\* - Research Training Groups

IRTG 1830: **International Research Training Group Complex Membrane Proteins in Cellular Development and Disease**

IRTG 2057: **Physical Modeling for Virtual Manufacturing Systems and Processes**

GRK 1932: **Stochastic Models for Innovations in the Engineering Sciences**

[www.uni-kl.de/en/research/coordinated-research/dfg-research-training-groups/](http://www.uni-kl.de/en/research/coordinated-research/dfg-research-training-groups/)

## DFG\* - Research Training Groups within Collaborative Research Centers

SFB/TRR 49: **Condensed Matter Systems with Variable Many-body Interactions**

SFB/TRR 88: **Cooperative Effects in Homo- and Heterometallic Complexes (3MET)**

SFB 926: **Microscale Morphology of Component Surfaces**

SFB/TRR 175: **The Green Hub**

SFB/TRR 185: **Open System Control of Atomic & Photonic Matter (OSCAR)**

SFB/TRR 173: **Spin+X - Spin Its Collective Environment**

SFB/TRR 195: **Symbolic Tools in Mathematics & Their Application**

[www.uni-kl.de/en/research/coordinated-research/dfg-collaborative-research-centres/](http://www.uni-kl.de/en/research/coordinated-research/dfg-collaborative-research-centres/)

## Projects funded by European Programs

### ERC Grants

### Marie-Curie Actions

### Integrated Projects

[www.uni-kl.de/en/research/coordinated-research/eu-funded-collaborative-projects/](http://www.uni-kl.de/en/research/coordinated-research/eu-funded-collaborative-projects/)

## Research Centers

State Research Center for Mathematical & Computational Modelling (CM)<sup>2</sup>

[www.uni-kl.de/cmcm](http://www.uni-kl.de/cmcm)

State Research Center for Optics & Materials Sciences (OPTIMAS)

[optimas.uni-kl.de](http://optimas.uni-kl.de)

## Innovation Center Applied System Modeling for Computational Engineering

[www.applied-system-modeling.de](http://www.applied-system-modeling.de)

## Network for the Promotion of Early Career Scientists (TU-Nachwuchsring)

[nachwuchsring.uni-kl.de](http://nachwuchsring.uni-kl.de)

\*DFG: Deutsche Forschungsgemeinschaft (German Research Foundation)

The Science Alliance Kaiserslautern is a multidisciplinary network that serves scientists and cooperation partners from economy and administration as a joint platform. Most partner institutes from research and research-oriented institutions are located next to campus.

## Science Alliance Members Related to Research:

### Technische Universität Kaiserslautern

[www.uni-kl.de](http://www.uni-kl.de)

### University of Applied Sciences - Hochschule Kaiserslautern

[www.hs-kl.de](http://www.hs-kl.de)

### Fraunhofer Institute for Industrial Mathematics (ITWM)

[www.itwm.fraunhofer.de](http://www.itwm.fraunhofer.de)

### Fraunhofer Institute for Experimental Software Engineering (IESE)

[www.iese.fraunhofer.de](http://www.iese.fraunhofer.de)

### German Research Center for Artificial Intelligence (DFKI)

[www.dfki.de](http://www.dfki.de)

### Max Planck Institute for Software Systems (MPI SWS)

[www.mpi-sws.org](http://www.mpi-sws.org)

### Institute for Composite Materials (IVW) GmbH

[www.ivw.uni-kl.de](http://www.ivw.uni-kl.de)

### Institute for Surface and Thin Film Analysis (IFOS) GmbH

[www.ifos.uni-kl.de](http://www.ifos.uni-kl.de)

### Research Institute for Technology and Work (ITA) e.V.

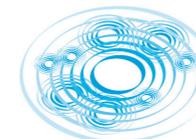
[www.ita-kl.de](http://www.ita-kl.de)

### Institute of Biotechnology and Drug Research (IBWF)

[www.ibwf.de](http://www.ibwf.de)

more on:

[www.science-alliance.de](http://www.science-alliance.de)



**SCIENCE ALLIANCE**  
K A I S E R S L A U T E R N