

Karlsruhe Institute of Technology

RESEARCH – TEACHING – INNOVATION



KIT – One legal Entity, two Missions, three Tasks

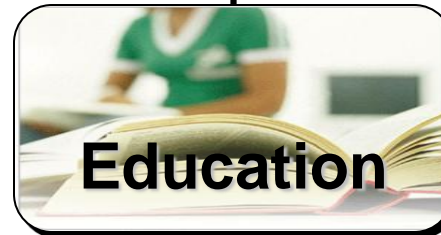
One Entity



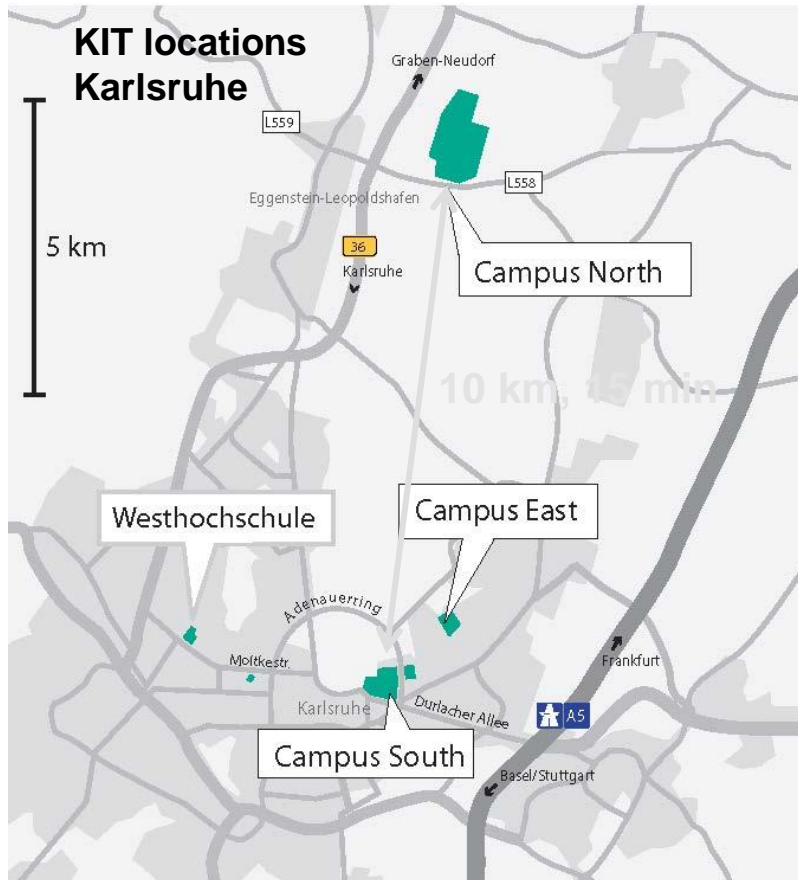
Two Missions



Three Tasks



Facts and Figures



157 Institutes

9.211 Employees*

379 Professors

5.617 Scientists

≈ 3.200 Doctoral
Researchers

22.552 Students

€ 735 Mio. Budget**

* number of people 2011

** budget 2010

KIT Research Profile

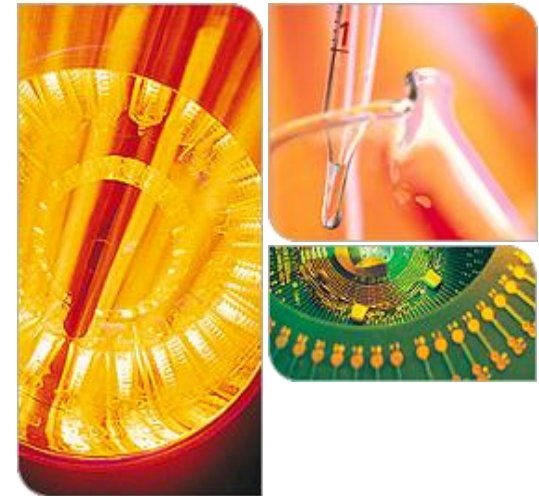
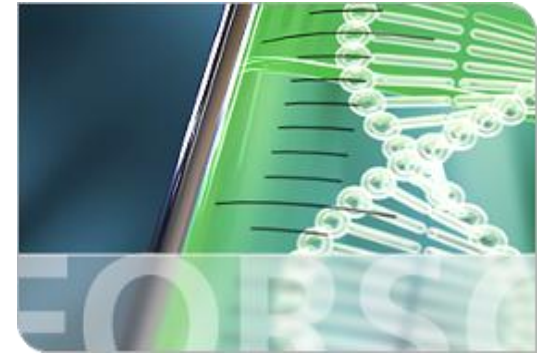
Concentration on Topics, Strategic Research Planning

KIT Centers:

- Energy
- Nano & Micro Science and Technology
- Elementary Particle and Astroparticle Physics
- Climate and Environment
- Mobility Systems

KIT Focuses:

- COMMputation
- Optics and Photonics
- Humans and Technology
- Anthropomatics and Robotics



Steinbuch Centre for Computing (SCC)

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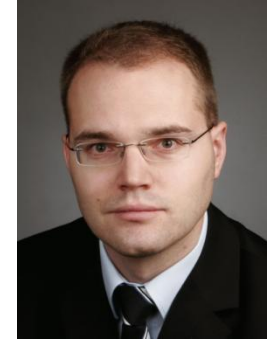


Science for Services – Services for Science

- Promotion of research, innovation, teaching, studying, higher education and administration at KIT by excellent IT-services
 - Secure, reliable, ubiquitously available, process-integrated, customer-oriented IT-services
- R&D&I in Massive Data, Massive Computing and Scientific Workflows
 - for KIT, the State of Baden-Württemberg, and national and international research communities
 - Covering Scientific Computing, HPC & Data Intensive Computing, Grids and Clouds, Large Scale Data Management & Analysis

Facts and Figures

- Board of directors
 - Prof. Dr. Hannes Hartenstein
 - Prof. Dr. Bernhard Neumair
 - Prof. Dr. Achim Streit
- 223 employees in total
 - 111 scientists, 112 technicians/administrative personnel and 13 trainees in 12 departments
- Two locations at KIT Campus South and North
- Founded on January 1st, 2008
 - Merger of the Computing Centers of former Karlsruhe University (URZ) and Research Center Karlsruhe (IWR)
- Karl Steinbuch
 - Professor at Karlsruhe University, creator of the term “Informatik”, co-founder of the first German faculty of informatics



Tasks and Responsibilities

■ Infrastructure

- HPC systems for the state Baden-Württemberg and KIT
- **GridKa:** German Tier-1 center in the Worldwide LHC Computing Grid
- Large Scale Data Facility (LSDF)

■ Services

- User support and consulting, KIT-wide integrated IT-service management, desktop and workstation services, print, plot and media production, data management, scientific software scaling, scientific applications, Grid services, high speed networking, communication and information services, education, training, etc.

■ Research

- High performance computing, data intensive computing, scientific computing and simulation, Grid and Cloud computing, cluster computing, large-scale data management & analysis, IT-management and web engineering, service-oriented architectures, distributed systems, innovative network technologies, IT-security, virtualization, etc.

ALICE Tier-1/2 Workshop

- 2nd workshop after first one at CERN 2.5 years ago
- For administrators of Tier-1 and Tier-2 ALICE centres and ALICE Offline group
- Interesting agenda for the next three days, available in indico
<https://indico.cern.ch/conferenceDisplay.py?ovw=True&confId=157585>
 - Topics: frameworks and tools, grid operations and grid services
- More than 50 people from 13 countries registered
- Thanks to the whole organising team (local and distributed) and in particular

Latchezar Betev, Kilian Schwarz, Christopher Jung