



Shaping the Future

Research | Teaching | Transfer



Two centuries of scientific excellence and inventiveness: That is Karlsruhe Institute of Technology.



Shaped by Visions

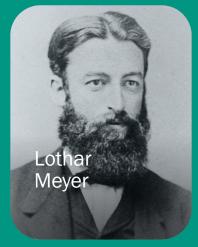
Our pioneers and achievements

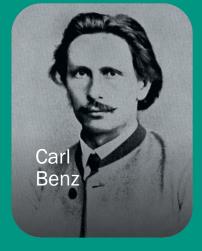


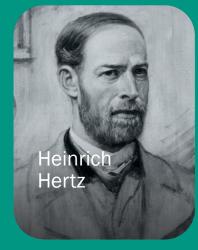




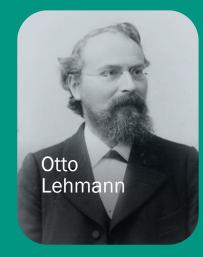




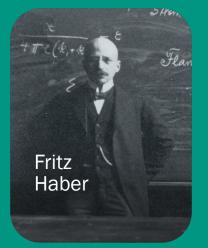
















KIT in Figures 2024

415

Professors

22 761

Students

10 107

Employees

58

New spin-offs and start-ups

Locations (200 ha area)

1730

International scientists

3 683

Doctoral researchers 337

Trainees

48

Patent applications

Budget 1,225.6 million euros

30% state funds

30% federal funds

40% third-party funds



The Helmholtz Association

Germany's Largest Research Organization

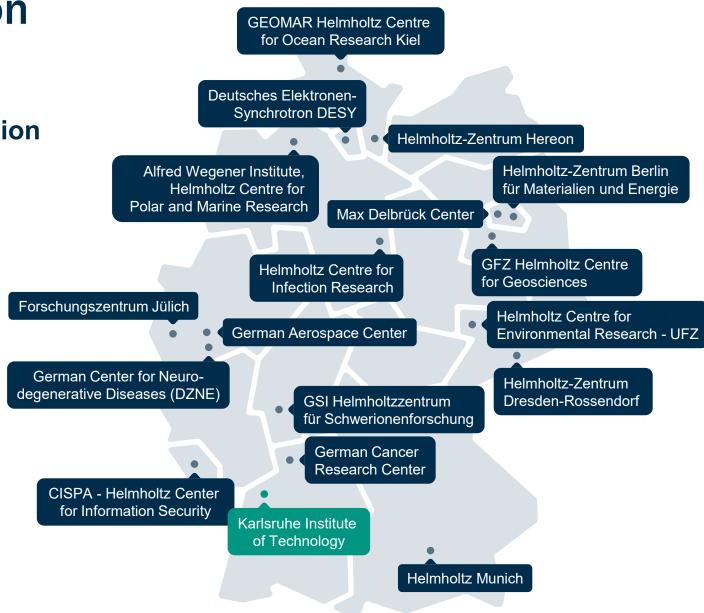
- 46,000 employees
- Annual budget of ≈ 6,3 billion euros
- 18 Helmholtz Centers

KIT participation in 11 programs of 4 Helmholtz Research Fields with a funding volume of 365 million euros per year (as of 2025).

Helmholtz Research Fields

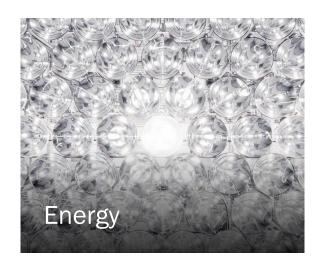
Energy	Earth & Environment	Health
Aeronautics, Space and Transport	Information	Matter

This makes KIT and Helmholtz unique partners with common goals.





Helmholtz Research Fields with Participation of KIT



- Energy System Design
- Materials and Technologies for the Energy Transition
- Fusion
- Nuclear Waste
 Management, Safety and
 Radiation Research



Changing Earth – Sustaining our Future



- Engineering Digital Futures
- Natural, Artificial and Cognitive Information Processing
- Materials Systems Engineering



- Matter and the Universe
- Matter and Technologies
- From Matter to Materials and Life







Timetable

https://indico.kit.edu/event/5139/sessions/4741/#20250902

09:00	Registration and Welcome Coffee	
	Kleiner Hörsaal Elektrotechnik (Geb. 11.10), KIT Campus South	09:00 - 10:00
10:00	Welcome by Local Organizing Committee	Michele Caselle
	Kleiner Hörsaal Elektrotechnik (Geb. 11.10), KIT Campus South	10:00 - 10:15
	ECFA DRD 7.6b Working Group: Scope and Goals	Michele Caselle
	Kleiner Hörsaal Elektrotechnik (Geb. 11.10), KIT Campus South	10:15 - 10:30
	ECFA DRD 7.6a Working Group: Future Detector Requirements	Dr Walter Snoeys
	Kleiner Hörsaal Elektrotechnik (Geb. 11.10), KIT Campus South	10:30 - 11:00
11:00	Upgrade of Belle II and Future Detector Requirements	Benjamin Schwenker
	Kleiner Hörsaal Elektrotechnik (Geb. 11.10), KIT Campus South	11:00 - 11:30
	Silicon pixel detectors for Relativistic Heavy Ion Physics, the present, the future and some dreams	Michael Deveaux
	Kleiner Hörsaal Elektrotechnik (Geb. 11.10), KIT Campus South	11:30 - 12:00
12:00	Upgrade of the CBM Microstrip Detector and Future Requirements	Maksym Teklishyn
	Kleiner Hörsaal Elektrotechnik (Geb. 11.10), KIT Campus South	12:00 - 12:30
	Photo Future detector req	uirements
	Kleiner Hörsaal Elektrotechnik (Geb. 11.10), KIT Campus South	12:30 - 12:45
	Lunch break	
13:00		

	Current status and emerging technologies	
	Kleiner Horsaal Elektrotechnik (Geb. 11.10), KIT Campas South	12:45 - 14:00
14:00	Status Update of DRD3 – WG7 Integration Technologies	Giovanni Calderini
	Kleiner Hörsaal Elektrotechnik (Geb. 11.10), KIT Campus South	14:00 - 14:30
	Efinix: Technologies and Future Outlook	Fabian Kluge
	Kleiner Hörsaal Elektrotechnik (Geb. 11.10), KIT Campus South	14:30 - 15:00
15:00	Low-material pixel modules: All-silicon and thin hybrid modules	Andreas Ulm
	Kleiner Horsaal Elektrotechnik (Geb. 11.10), KIT Campus South	15:00 - 15:30
	FBK Platform for Flexible PCB Manufacturing	David Novel
	Kleiner Hörsaal Elektrotechnik (Geb. 11.10), KIT Campus South	15:30 - 16:00
16:00	Coffee break	
	Kleiner Hörsaal Elektrotechnik (Geb. 11.10), KIT Campus South	16:00 - 16:20
	RISC-V and FPGA Integration on Detector	Michael Karagounis
	Kleiner Horsaal Elektrotechnik (Geb. 11.10), KIT Campus South	16:20 - 16:50
	Round Table Discussion: Open Questions and Priorities - PilotProject	All Participants
17:00		
	Kleiner Hörsaal Elektrotechnik (Geb. 11.10), KIT Campus South	16:50 - 18:00

First day



Timetable

09:00		14.14.3-1
09.00	Integration Technologies at CERN	Mr Moritz Lauser
	Kleiner Hörsaal Elektrotechnik (Geb. 11.10), KIT Campus South	09:00 - 09:30
	Integration Technologies at Max Planck and Future Perspectives	Ladislav Andricek
	Kleiner Hörsaal Elektrotechnik (Geb. 11.10), KIT Campus South	09:30 - 10:00
10:00	Integration Technologies and Prospects in Norway	Hoang Vu Nguyen
	Kleiner Hörsaal Elektrotechnik (Geb. 11.10), KIT Campus South	10:00 - 10:30
	Integration Technologies and Prospects at CNM	Miguel Ullán
	Kleiner Hörsaal Elektrotechnik (Geb. 11.10), KIT Campus South	10:30 - 11:00
11:00	Integration Technologies and Future Perspectives at KIT	Michele Caselle
	Kleiner Hörsaal Elektrotechnik (Geb. 11.10), KIT Campus South	11:00 - 11:15
	Workshop Conclusion and Next Steps	Michele Caselle
	Kleiner Hörsaal Elektrotechnik (Geb. 11.10), KIT Campus South	11:15 - 11:30
	Transfer to KIT Campus North and lunch Integration technologies and	orospective

Deep focus on the projects 7.6b Shared access to 3D integration

Second day



Group photo

09:00	Registration and Welcome Coffee	
	((a) to a ((a) a	00:00 10:00
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	Lunch break	
13:00		

Photo after the first session

We kindly invite all participants to gather for the group photo



Photo today



10

Social dinner

We warmly invite you to join us for the social dinner this evening, which will take place at a traditional German restaurant. It will be a wonderful opportunity to continue our discussions in a relaxed atmosphere and to enjoy authentic German cuisine together

Ludwigs Restaurant & Bar - Karlsruhe Waldstr. 61, 76133 Karlsruhe



FOOD



AKFAST BIS 17 UHR.

ELEIER 1.3 knuspriger Speck | 8,90

ER a

es Rührei | Tomate | Zwiebeln nischem Holzofenbrot | 9,80

NT a,c,g,e Natur | 3,50

SALAD-BOWLS

THE FRENCH BOWL a.c.g.i Freiland-Salat Ziegenkäse im Brickmantel | Feigensenf Antipasti Gemüse | Cashew-Nüsse | 19,00

PASTA

FLEISCH

KLASSISCHER WURSTSALAT

Gürkchen | Rote Zwiebeln | 13,50



+ Gouda Käse | 2,00

PINSA - PIZZA AUS DEM



Rüppurrer Tor 🖽 🖰 🗗

Istor/ B S 0

Visit to IPE/IMS clean rooms and infrastructure (tomorrow)





We wish you a pleasant stay in **Karlsruhe** and a **successful workshop** with inspiring discussions and productive collaborations

