



Research and Transfer

Together towards a successful future



TH Aschaffenburg
university of applied sciences

Academic expertise for Research, Transfer and Teaching



Our high commitment to applied research fosters **sustainable knowledge and technology transfer** to business, society and teaching



Excellent research infrastructure and research-active scientists create **best conditions for joint research initiatives**



Forward-looking research agenda focuses on Intelligent Systems, Materials and Information Management and Structural Transformation



Intelligent Systems

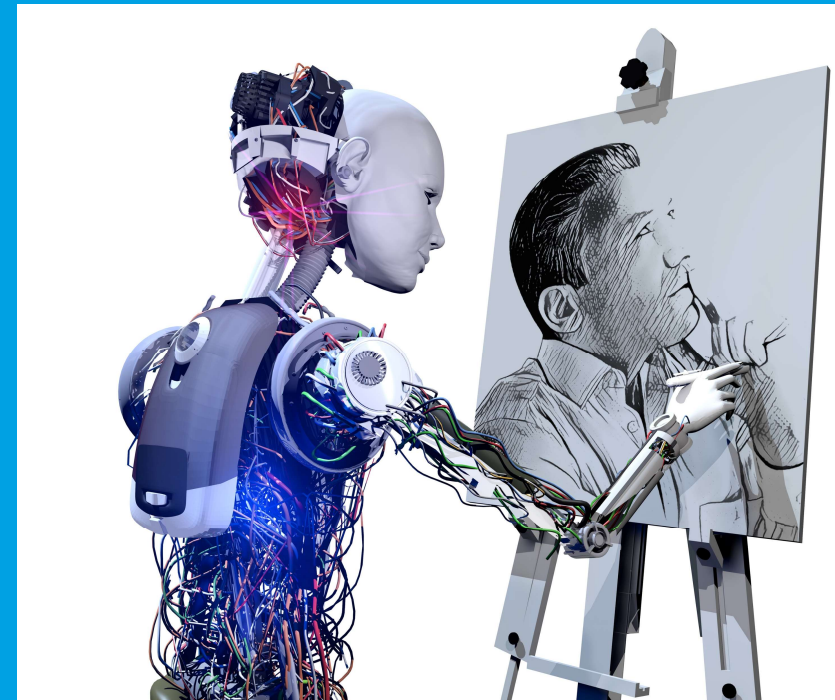
- More than **20 research labs and teams**
- Application-oriented development and targeted use of **intelligent software solutions**
- Close cooperation with industries to boost technological innovation and sustainable growth
- International research projects, e.g. WINDEFY, I4Driving



- AI and Data Science
- Intelligent Sensors and Signals
- Intelligent Mobility
- Robotics and Automation
- Clean Tech
- Electronics and Electric Drives

Competence Center Artificial Intelligence

- Fosters cooperation of AI related activities within the university and with cooperation partners
- **Interdisciplinary AI expertise for...**
 - forward-looking **research** results
 - cutting-edge **teaching** content
 - targeted **knowledge transfer** in cooperation with industry.
- **Annual lecture series for students, companies and the general public**
 - Topics focus on opportunities and limits of applied AI



Materials

- Development and application of methods of material processing, novel sensor materials and sensor principles
 - Improvement of efficiency and quality in **production processes** (laser technology, photonics, additive manufacturing)
 - New solutions for **health research**, e.g. in stem cell research, neuro sciences and radiation biology
 - **Sustainable use of materials**, e.g. innovative material recycling
- International projects



▪ Innovative Material Processing

▪ Material Testing and Sensor Technology

▪ Clean Tech

Information Management and Structural Transformation

- **Tailor-made tools, technologies and consulting solutions** for companies and local communities using lasted academic knowledge
- Extensive support boosting (local) **start-up eco systems**
- Research on micro- and macroeconomic challenges in structural transformation processes
- European project funding



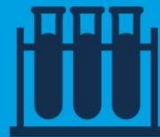
- Business Transformation and Innovation Management
- Economic and Social Transformation

ZeWiS (Center for Scientific Services and Transfer)

- Central research institution of Aschaffenburg UAS for collaboration with businesses
- New perspectives through technical and business progress - especially in the Bavarian Lower Main business location.
- Accompanying companies with scientific expertise, practical research projects and individual service offers for the successful transfer of university knowledge to industry and business
- Excellent research infrastructure



Research Cooperations



Consulting and Production Services



Collaboration opportunities for students and doctoral candidates

Linde Material Handling

Linde

OSWALD

WIKAL



Heraeus



BRUKER

(selection of partners)

Research Career Opportunities @Aschaffenburg UAS

Research Master

- Individually selected research project accompanies your studies until completing your thesis
- Close collaboration with technologically leading companies in electrotechnology, information technology, and mechatronics.

iDok Doctoral College

- PhD in cooperation with a university
- Personal support throughout your doctoral education
- Interdisciplinary scientific exchange
- Regular national and international events

Research Professorship

- Supports professors with high research affinity with more time for academic research by reducing teaching load





Thank you.

We are looking forward to our cooperation.

Prof. Dr.-Ing. Klaus Zindler

Vice President Research and Transfer

Klaus.Zindler@th-ab.de

0049 6021-910

Dr. rer. nat. Heike Bruhn

Research Coordinator

Heike.Bruhn@th-ab.de

0049 6021-513



th-ab.de/research



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