



University of Applied Sciences

# Research at the THB

The research profile of THB was developed in accordance with the development of laboratory facilities and degree courses. THB is geared to regional needs and focuses on relevant future fields. The research profile of THB was developed in accordance with the development of laboratory facilities and degree courses. THB is geared to regional needs and focuses on relevant future fields.

## Research in the departments

A wide range of research takes place at the three departments at THB. Here you will find the areas of expertise and transfer potentials:

- Department of Computer Science and Media
- Department of Technology
- Department of Business and Management

## University-wide research interests

THB also conducts research on various topics beyond the department boundaries. The interdisciplinary research areas "Interdisciplinary Security Research", "Energy and Resource Efficiency" and "Digital Transformation" are central to this.

### Interdisciplinary Security Research

This research field combines current research topics such as data protection, preventive/reactive IT security, reliability of systems and processes, as well as security aspects of medicine, aerospace, microelectronics and technical equipment based on technical, organisational and economic methods.

### Energy and Resource Efficiency

The research on "Energy and Resource Efficiency" is broadly structured, and pursues an interdisciplinary and holistic approach with emphasising analysis, development, design and optimisation of energy and resource efficient processes and products is at its forefront.

### Digital Transformation

The research on "Digital Transformation" investigates processes and effects, the implementation, operation, use and evaluation of digital technologies, management approaches and business models within and between companies, administrations and organisations.

## EU Competence Network of Brandenburg Universities (EUK)

The EU Competence Network of Brandenburg Universities (EUK) is a network of universities and universities of applied sciences in the German Federal State of Brandenburg. It fosters the participation of Brandenburg universities in research programs funded by the European Union.

The objective of the EUK is to provide a professional and comprehensive service for researchers when applying for or conducting EU-funded research projects. To this end, knowledge and expertise in advising will be expanded in the EUK.

The EUK is decentrally organised and is coordinated by Eberswalde University for Sustainable Development.

## **HRS4R**

The Brandenburg University of Applied Sciences (THB) is a young university location. "Since its foundation in 1992, research activities have been developed alongside a clearly strategy. Within the years 2013 and 2014, an internal gap analysis was carried out to proof the quality of research conditions and the adherence of principles. In the result, the THB implements the Human Resources Strategy for Researchers (HRS4R) and has been distinguished with the HR Excellence in Research Award from the European Commission

### **The intention of HRS4R**

The intention of the European Commission's HRS4R initiative for quality assurance in human resources management is to foster the development of strong research cultures at universities, to create better working conditions for researchers, and to promote academic careers. HR Excellence in Research is a seal of quality bestowed by the European Commission upon institutions with fair and transparent recruitment processes, concern for intellectual property rights, and stimulating work environments that provide opportunities for advanced training. In 2014 it was awarded to Cologne University of Applied Sciences for its participation in the Human Resources Strategy for Researchers (HRS4R), making it one of the first institutions in Germany to receive this distinction.

## **HRS4R at Brandenburg University of Applied Sciences**

Under the leadership of the vice president for research and technology transfer, a team of three researchers was formed in the summer of 2013. This team developed a procedure for collecting data based on the 40 C & C principles. Three methodological approaches were chosen in order to obtain the necessary data for evaluating the overall situation of researchers at THB.

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