



Teaching and Research within EUT+ Rethinking technology in a European way



An European model of technology

Technology is more than a set of techniques or applied sciences. It is our essential human ability to express, think and understand the world through artefacts. In this sense it is an engine of human progress where arts and science meet.

Technology is not simply about applying scientific results but about comprehending the world and what it means to be human. This requires the design, development and mastering of conceptual tools and digital literacies that allow people, students, researchers to have a better ethical grasp of the issues at hand and to understand their implications at a large scale.

How do we as teachers and researchers benefit from EUT+

To fully benefit from the potentialities that EUT+ offers, EUT+ will create transversal knowledge-creating teams on a model developed by h_da and which will be extended throughout EUT+ in a transversal, multicampus way. This will lead to an evolving, stimulating and information-rich environment for students and researchers alike.

Studies in a European Perspective

A pool of joint degree programs will enable students to acquire their professional competencies in a European perspective. Several disciplines have set out to make this a reality. Working groups are preparing new clusters that facilitate a closer cooperation between the study programs of the eight partner universities and enabling students to spend a period at another campus with recognition of their study achievements.

EUT+ Clusters:

- + Telecommunications and Networks (B)
- + Mechanical Engineering (B)
- + Civil Engineering (B)
- + Industrial Engineering (B + M)
- + Architecture (B + M)
- + Food science and technology (M)
- + Sustainable Development (B)
- + Environmental Engineering (M)
- + Computer science (B + M)
- + Microelectronics (M)

EUT+ Working Groups:

- + Multimedia
- + Global Sustainable Development

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Interdisciplinary European research institutes

The mission of EUT+ “European Values empowering technology” expresses the intention to bring together expertise from all partner universities and enable joint working in different fields. An essential requirement hereby is not to look at individual problems from separate disciplinary perspectives. Only such an integrating view of the problems to be dealt with allows for complexity appropriate to the subject matter. The aim is to clarify the various effects and interactions on the one hand, but also the influences of involved and interested actors. This includes the complex interplay of environment and society as a whole.

VISIT OUR EUT+ WEB PAGEEUT+ web page: www.univ-tech.euh_da web page: www.h-da.de/eutplus**CONTACT****Prof. Dr. Arnd Steinmetz**praesident@h-da.de**Dr. Jorge Medina**coordinator-eutplus@h-da.de**h da****h_da**DARMSTADT UNIVERSITY
OF APPLIED SCIENCES**9 UNIVERSITIES
100.000 STUDENTS,
ONE GOAL****ECT Lab+**

The European Culture and Technology Laboratory (ECT Lab+) is a transdisciplinary collaborative structure that conducts cutting-edge research and in-depth investigations into the nature and function of technology.

Prof. Dr. Dominik Düberdominik.dueber@h-da.de**Tim Christmann**tim.christmann@h-da.de**ELaRA**

The European Laboratory For Pedagogical Action - Research And Student-Centred Learning (ELaRA) is organised around a number of research themes:

- + innovative student-centred pedagogies to promote self-directed, lifelong learning in technology education
- + change in higher education, changing epistemologies and teaching practice, teacher development and methods to facilitate change
- + educating students about the role of technology in society including ethics and professional development

Martina Mohrbacherreferentin-vps@h-da.de**Other institutes:**

- + **Data Science Lab**
- + **Sustainability Lab**
- + **EUTINN (nanomaterials and nanotechnologies)**

European Research Office- ERO

The office supports the researchers in EUT+ and the research institutes as a European project office. Its main tasks are capacity building as well as the administrative

and technical support of projects within the framework of the European Fund. This includes in particular:

- + identification of calls for research funding, that are suitable for EUT+ participants
- + providing information on open calls, application opportunities and procedures
- + establishing contact with external project partners and relevant national and European funding agencies

Dr. Rainer Beckerrainer.becker@h-da.de**Dr. Frank Möller**frank.moeller@h-da.de**Innovation & Technology Transfer
Office - EITTO**

The office serves as a coordination and contact point between all EUT+ research institutes, all partner universities and the local transfer stakeholders of the partners.

The office is a contact point for all researchers within EUT+ in terms of European knowledge and technology transfer. This includes:

- + maintaining and developing contacts with the industry and SMEs, matchmaking with researchers
- + advising and supporting researchers and research institutions on transfer possibilities and activities
- + establishing and expanding start-up support for researchers

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