Welcome event for new employees
Technische Universität Darmstadt

Stefan Weisenseel
Representative of the Vice President (Administration and Financial Affairs)
Directorate VII – Human Resources & Legal Affairs
History

1836 anchored as a higher vocational school and polytechnic
1877 founded as a technical university
1913 first female graduate in Germany with the title "Dipl.-Ing."
2005 first autonomous university in Germany
People

25,889 Students
308 Professors
2,593 Research Associates
1,909 Administrative and Technical Staff

as of: 05/2019
Development of the number of students
Figures

Engineering
- Civil and Environmental Engineering
- Architecture
- Mechanical Engineering
- Electrical Engineering and Information Technology
- Computer Sciences

Natural Sciences
- Mathematics
- Physics
- Chemistry
- Biology
- Materials and Earth Sciences

Humanities
- Law and Economics
- History and Social Sciences
- Human Sciences

Subject Profile
- 13 Departments
- 5 Fields of study
- 113 Degree programmes
- 13,812 Bachelor students
- 8,614 Master students
- 1,236 Teaching students

Data from 31.12.2018; without Diploma, Magister and PhD students
Locations

City Centre
Lichtwiese
Botanical Gardens
University Stadium
August-Euler Airfield (with wind tunnel)

- 250 hectares of property
- 309,000 sqm of usable space
- 164 buildings
Interdisciplinary strong

Our profil areas:

• Cybersecurity
• Internet and Digitisation
• Matter and Radiation Science
• Thermo-Fluids & Interfaces
• Future Energy Systems
• From Material to Product Innovation
# Organisation of TU Darmstadt

## Executive Board
- **President**
- **Vice President, Administration and Financial Affairs**
- **Vice President, Academic Affairs**
- **Vice President, Research and Innovation**
- **Vice President, Scientific Infrastructure**
- **Vice President, Knowledge and Technology Transfer, Alumni Relations and Fundraising**

## Departments
- Law and Economics
- History and Social Sciences
- Human Sciences
- Mathematics
- Physics
- Chemistry
- Biology
- Materials and Earth Sciences
- Civil and Environmental Engineering
- Architecture
- Mechanical Engineering
- Electrical Engineering and Information Technology
- Computer Science

## Interdisciplinary Units
- Profile Areas
- Cybersecurity (CYSEC)
- Internet and Digitisation
- Matter and Radiation Science
- Thermo-Fluids & Interfaces
- Future Energy Systems
- From Material to Product Innovation
- Interdisciplinary Centres
  - Centre for Cognitive Science
  - Centre for Computational Engineering
- Fields of Study
  - Computational Engineering
  - Energy Science and Engineering
  - Information Systems Engineering
  - Mechanics
  - Mechatronics

## University Administration
- Directorate I
  - Strategic Development
- Directorate II
  - Studies and Teaching
  - Legal Affairs in Studies and Teaching
- Directorate III
  - Financial & Economic Affairs
- Directorate IV
  - Real Estate
- Directorate V
  - Building Management & Technical Operations
- Directorate VI
  - Research Services & Technology Transfer
- Directorate VII
  - Human Resources & Legal Affairs
- Directorate VIII
  - International Affairs

## Central Services
- Forum for Interdisciplinary Research
- Centre for Educational Development
- University IT-Service and Computing Centre
- Language Resource Centre
- State Materials Testing Institute
- Academic Bridging Courses
- University Sports Centre
- University and State Library
- Centre for Teacher Education

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**as of: 09/2018**
Administrative Bodies

University Council
10 members
external personalities from science and industry

Council members are appointed by the government of the State of Hesse. TU Darmstadt has the right to nominate half of the seats.

University Assembly
31 Professors
15 Students
10 Research Associates
5 Administrative and Technical Staff

Members of the University
Professors | Research Associates and Administrative and Technical Staff | Students

Executive Board
President | Vice Presidents | Vice President (Administration and Financial Affairs)

Senate
Voting members:
President (chair)
10 Professors
4 Students
3 Research Associates
3 Administrative and Technical and Technical Staff

permanent, non-voting members:
Vice President, Vice President (Administration and Financial Affairs), Departmental Chairpersons, Gender Equality Officer, Chairperson of the Staff Council, Representative for disabled persons, ASTA-Chairperson, 2 Representatives of the Student Representatives Conference

Scientific Council
10 Professors

Departmental Office
Departmental Chairperson
Deputy Chairperson
Vice Chairperson, Academic Affairs

Departmental Council
Departmental Chairperson (chair)
elected members of all status groups of a department

Directorate I – Strategic Development / Directorate VII – Human Resources & Legal Affairs (as of: 02/2018)
Advisory boards and working groups

**Advisory board on research-oriented Gender Equality**
(6 internal and external members)
- advises the Executive Committee on the implementation of research-oriented gender equality processes, reviews existing programmes and provides recommendations.

**Quality Management Advisory Board** (inQM Advisory Board)
- advises the Executive Committee on the further development of the TU Darmstadt's integrated quality management system, which considers: research, young researchers, studies and teaching as well as administration. It is supervised by the Quality Management Department.

**Ethics Commission**
- examines and assesses the ethical admissibility of research projects as well as questions of the civil clause.

**Advisory Board of Deutschlandstipendium**
- examines whether scholarship funds may be accepted by the TU Darmstadt according to the framework of Deutschlandstipendium.
Executive board

- President: Prof. Prömel
- Vice presidents:
  - Academic affairs
    Prof. Bruder (FB 16)
  - Research and Innovation
    Prof. Mezini (FB 20)
  - Scientific Infrastructure
    Prof. Rapp (FB 2)
  - Vice president, Administration and Financial Affairs: Dr. Efinger

from the 01.10. new president:
Prof. Brühl
Development of external funds

Upgrowth of third-party funds
(in mio EUR)

119.0 139.1 150.8 144.8 160.3 156.9 163.5 164.7 169.1

Sources of third-party funds
(in %)

- Federal Government: 30.5%
- The German Federation of Industrial Research Associations – AiF: 28.4%
- LOEWE: 19.7%
- Industry: 7.7%
- Other funds: 6.4%
- EU: 3.3%

Figures rounded
Challenges of the past and coming years

- Increasing international competition
- Growing relevance of Federal government and EU
- Progress of profile-building
- Precise networking becoming even more essential
- Digitisation of teaching, research and infrastructure
- ??? – further, still unknown challenges
Organisation and Management: Principles

- TU Darmstadt is versatile and faces new challenges directly
- Responsibility at all levels with established autonomy and participation
- High quality of administration and technical services
- Sustainability of structural and scientific infrastructure
Aims of the Presidium - Sections

• Recruitment and promotion of talent
• Enabling of high quality study and teaching
• Further visible development of profiled research
• Active investigation of knowledge transfer and networking
• Versatile organisation and responsible management
Organisation and Management: Key areas and selected actions

• Promotion of internationalisation strategy
• Implementation of and support for the “young researcher” concept from 2017
• Further positioning of ”TU Darmstadt” as a brand
• Focus of building construction activity is on refurbishment and energy efficiency
Recently completed construction projects (I)

Extension of the Energy Centre
New construction of the contractor ENTEGA STEAG Wärme GmbH for a further CHP, an absorption chiller and two cold accumulators.

Additional actions include:
- New construction refrigeration network (length 3 km)
- Modernisation of existing energy center

Construction period: 5/2017 – 10/2018
Total cost: ~17 million Euros
Area: ~600 sqm

Art at construction (since 5/2019):
„Wortfeld“ of the artist Matthias Berthold
Recently completed construction projects (II)

Newly designed outdoor facilities Hochschulstraße West and inner courtyard Mensa East:

**Inauguration:** 28. August 2018

**Construction period:** 2017 – 2018

**Total costs:** 4 million Euros
Recently completed construction projects (III)

Crosstraining facility in the west courtyard of the old main building, Campus Stadtmitte

Inauguration:
06. February 2019

Utilisation:
• Training facility for students and employees
• for free use "at your own risk" or as part of the course programme
Current construction project

New construction of the IT Security Centre CYSEC at Kantplatz

**Topping-out ceremony:**
31. August 2018

**Construction period:** 2017 – 2019

**Area:** 2.100 square meters

**Total costs:** 18.4 million Euros
Offers for employees

- Language Resource Center
- Occupational Medicine
- Welcome Centre
- Housing Service
- Hesse State Ticket and Parking card
- Occupational Health and Safety
- University IT Service and Computing Centre
- Youth and Trainee Representation
- Gender Equality Officer
- Representative of disabled persons
- Staff Council
- University Sports Centre
- Personal and Organisational Development
- Internal Training
- Ingenium
- Threat Management
- Family Service
- Occupational Health Management
- Centre for Teacher Education
- Center for Educational Development and Technology
- Art Forum
- University and State Library Darmstadt
- Forum for Interdisciplinary Research
- Social Counseling and Conflict Management Service
- Representative of disabled persons
- Art Forum
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- Social Counseling and Conflict Management Service
Mobility Management

Aims of TU Darmstadt:
• Strengthening local public transport
• Development of the infrastructure for non-motorised individual transport

Current actions:
• Free „Hesse State Ticket“ for all employees
• Extension of the pedestrian and bicycle paths at Lichtwiese Campus
• Tram connection at Lichtwiese Campus
• New traffic guidance for a car-free Campus centre
Sustainability and Energy Management

Project „nCampus“ – sustainable & energy-efficient campus:

- **Science and Teaching:**
  - Use of expertise in Energy Research

- **University construction:**
  - Energy-focused building refurbishment
  - Realisation Refrigeration Network at Lichtwiese Campus
  - New construction of the Energy Centre
  - Modernisation of the heat and power station

- **Federal Research Project:**
  - EnEff: City Campus Lichtwiese

**Overarching aims:**

- Reduction of CO$_2$-Emissions > 50% by 2030
- Development of the University Mission Statement „Sustainability“
Any questions?