



TU/e in brief

TU/e Technische Universiteit
Eindhoven
University of Technology

Where innovation starts

TU/e mission

- Advancement of engineering
- Development of technological innovations
- Growth of welfare and prosperity in the region and beyond

TU/e: Where innovation starts



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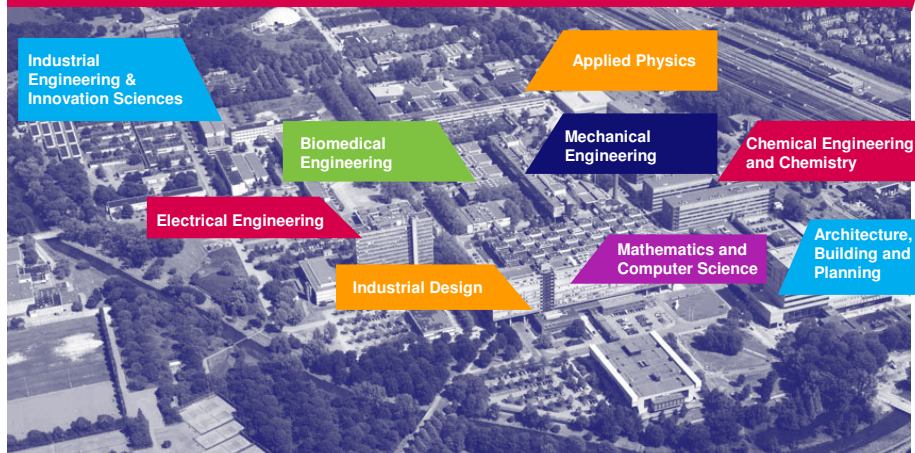
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TU/e history

- Established in 1956
- More than 25.000 engineers (Master of Science)
- 2.000 technological designers (PDEng)
- 3.000 researchers (PhD)
- Motor of regional economy

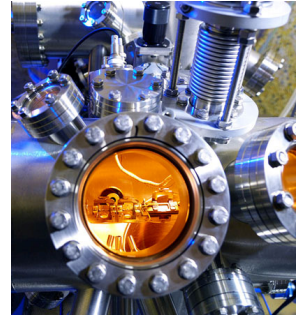


Departments



TU/e strategy (1)

- **Higher education**
strong and distinguishing position on market
- **Research**
leading position in strategic research fields
- **Knowledge valorization**
significant source of knowledge, technology and new business opportunities



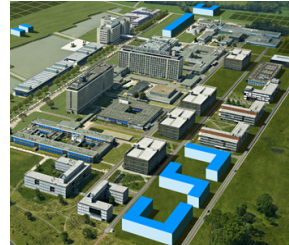
TU/e strategy (2)

- **Student facilities and services**
leading position compared to other Dutch universities
- **Internationalization**
international competitiveness and reputation



Eindhoven region (1)

- **High tech industrial heart of the Netherlands**
Mechatronics, ICT, Medical Technology (Life Sciences & Technology), Automotive, Design, Food
- **Main seat of companies like:**
Philips, ASML, NXP Semiconductors, Océ, DAF Trucks, Organon, DSM



Eindhoven region (2)

- **Key R&D areas:**
High Tech Systems and Materials, Chemistry and Chemical Technology, ICT, Life Sciences & Health, Energy Transition, Logistics & Supply Chains, Security, Food & Nutrition.
- **R&D expenditure 3 % of regional Gross Domestic Product**
- **Seat of leading Dutch Research & Development institutes**

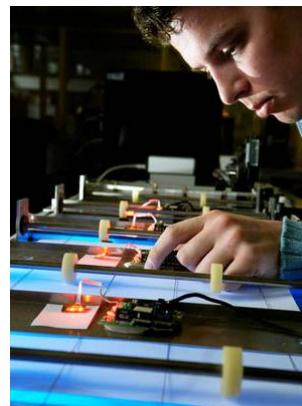


Eindhoven region (3)

- Seat of national innovation and R&D programs
- 'Triple Helix'
- Highest patent density of all European regions
- State of the art R&D facilities, highly attractive learning and working environment on TU/e campus and High Tech Campus
- 'Brainport Eindhoven'

TU/e study programs

- 12 three-year BSc-programs in Dutch, one in English (Industrial Design)
- 26 two-year MSc-programs in English, one in Dutch
- 8 two-year PDEng-programs in English



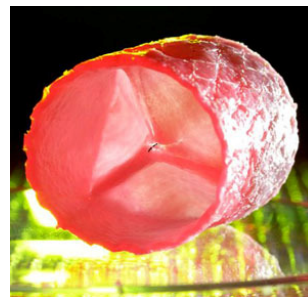
TU/e teaching methods

- **Sound scientific foundation, depth of knowledge and competences needed to be successful in community**
- **Notebook computer, state of the art software, wireless access, e-facilities**
- **All study programs accredited**
- **System for 'Academic Competences and Quality Assurance' as European standard**

TU/e research focus (1)

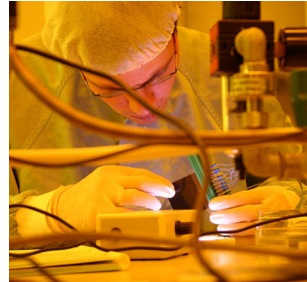
Interdepartmental, multidisciplinary strategic research fields:

- Biomedical Engineering Sciences
- Broadband Telecommunication Technologies
- Catalysis and Process Engineering
- Logistics, Operations and Information Systems
- Mechanics and Control
- Nano-Engineering of Functional Materials and Devices
- Polymer Science and Technology
- Science and Engineering of Embedded Systems



TU/e research focus (2)

- **National top research schools (NRSC-Catalysis; COBRA)**
- **National top technology institutes (DPI; M2i)**
- **National research schools (EIDMA; BETA; IPA; EPL; EM)**



TU/e research focus (3)

- **6 3TU.Centres of Excellence**
 - Bio-Nano Applications;
 - Dependable ICT Systems;
 - Ethics and Technology;
 - Intelligent Mechatronic Systems;
 - Multiscale Phenomena;
 - Sustainable Energy Technologies.

3TU.

TU/e knowledge valorization

- Incubator beginning entrepreneurs
- Knowledge and technology transfer
- Public-private R&D programs and institutes



TU/e international focus

- Member of European networks of universities of technology (Cluster, Cesaer)
- Exclusive new network with Technische Universität München and Danmarks Tekniske Universitet
- Cooperation with front-rank universities
- Partnerships and joint programs with universities in China, India, etc.
- Network Industrial Design

Position in international rankings

- **Top 20 European universities (citation impact score)**
3/4 Eindhoven University of Technology: 1.40
- **Shanghai Jiao Tong ranking**
2007: 305-401



R&D infrastructure

- **Ultra-modern high-quality cleanroom (400 m², class 10)**
- **High-quality technical laboratories**
- **State-of-the-art high-tech equipment (Cyclotron, MRI scanners, electron microscopes, etc)**
- **High-quality computational facilities**
- **Sharing facilities with industrial laboratories and usage of the National Super Computing Facilities of the Netherlands**

TU/e in key figures (1)

Education

Figures 2007

TU/e in key figures (2)

Research

Figures 2007

TU/e in key figures (3)

Staff

- Staff 3.000 (25% international)
- Faculty (academic staff) 1.800 (including 180 PDEng-fellows and 650 PhD-fellows)
- Full professors 116
- Part-time professors 118

Figures 2007

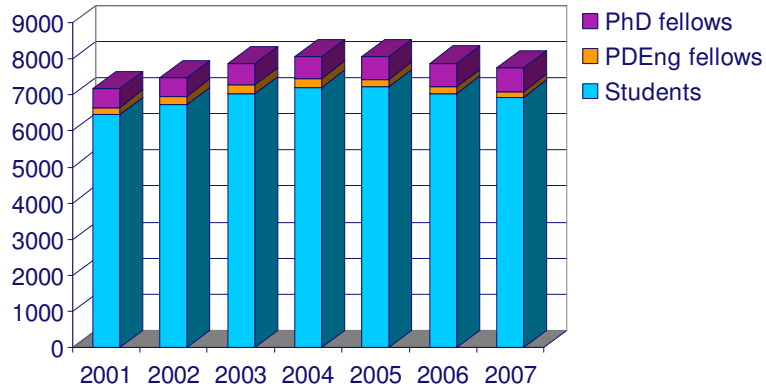
TU/e in key figures (4)

Finance (in millions of Euro)

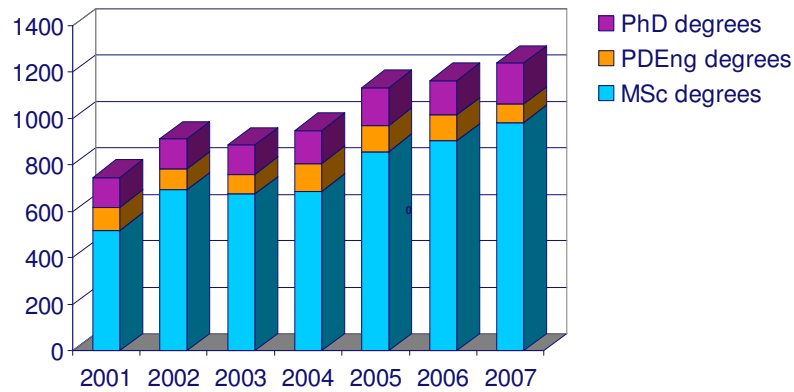
- Total budget per year 277
- Government subsidy 183
- Income from tuition fees 12
- Income from national research grants 17
- Income from research contracts and EU-programs 50
- Other income 16

Figures 2007

TU/e in figures 2001 – 2007 (1)



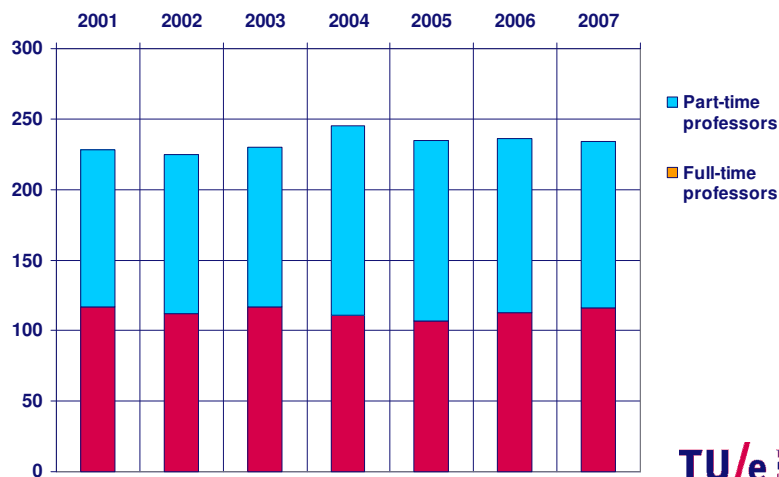
TU/e in figures 2001 – 2007 (2)



TU/e in figures 2001– 2007 (3)

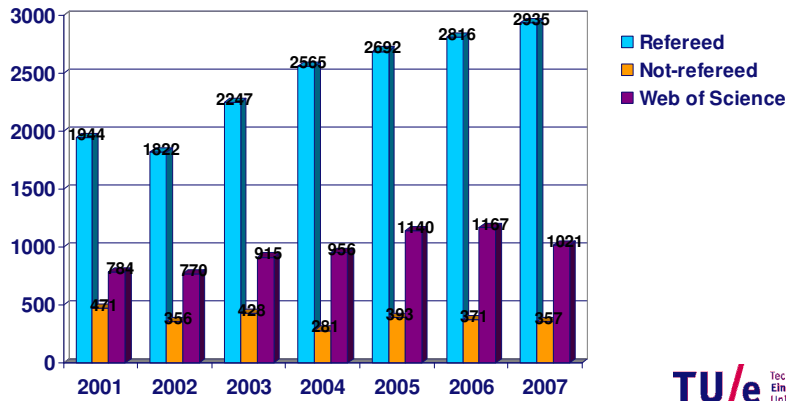
Year	Faculty (incl. PhD- fellows)	Other	Total	Ratio (Fac/other)
2001	1471,5	1042,1	2513,6	1.41
2002	1532	1021,5	2553,5	1.50
2003	1635,4	1047,4	2682,8	1.56
2004	1623,3	996,3	2619,6	1.63
2005	1601,9	979,8	2581,7	1.64
2006	1575,7	1012,6	2588,3	1.56
2007	1639,1	1018,7	2657,8	1.61

TU/e in figures 2001 – 2007 (4)



TU/e in figures 2001 – 2007 (5)

Scientific publications



TU/e in figures 2001 – 2007 (6)

