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
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

- Architecture, Building and Planning
- Chemical Engineering and Chemistry
- Electrical Engineering
- Educational Engineering & Innovation Sciences
- Mechanical Engineering
- Mathematics and Computer Science
- Industrial Design
- Applied Physics
- Biomedical Engineering
- Architecture, Building and Planning
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:
- 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.
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

- Students 6,900 (6% international)
- BSc-students 4,700 (3% international)
- MSc-students 2,200 (12% international)
- Exchange students (per year) 400
- BSc-degrees per year 760
- MSc-degrees per year 925

Figures 2007

TU/e in key figures (2)

Research

- PDEng-degrees per year 80
- PhD-degrees 177
- Citation impact score (1997-2004) 1.48
- Patent applications per year 15
- Spin-offs 12

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 (3)

<table>
<thead>
<tr>
<th>Year</th>
<th>Faculty (incl. PhD-fellows)</th>
<th>Other</th>
<th>Total</th>
<th>Ratio (Fac/other)</th>
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<td>1021.5</td>
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### TU/e in figures 2001–2007 (4)

![Bar chart showing part-time and full-time professors from 2001 to 2007]