

Where innovation starts

TU/e

Cooperation with industry

Amandus Lundqvist,
President TU/e
Eindhoven University of Technology
Zürich, July 6, 2007



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Introduction Eindhoven Region

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Introduction Eindhoven Region (1)

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- Strong concentration of high tech industry and HE and R&D institutes

- Philips	- TU/e
- NXP	- Fontys
- ASML	- TNO
- DAF	- IMEC
- OCE	- Holst Centre

- Open innovation model on High Tech Campus Eindhoven



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Introduction Eindhoven Region (2)

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- 30 % of Dutch expenditure in R&D
- Highest patent density of Europe
- Focus on
 - high tech systems & materials
 - life sciences & (bio)medical technology



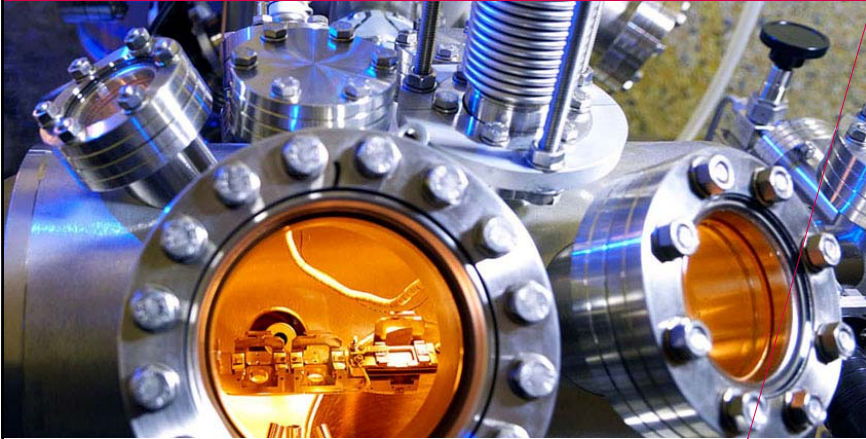
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- Founded 1956 at request regional industry
- Engineering science & technology
- High ranking EU university
- High quality education and research
- 9 departments and 2900 staff (61 % scientific)
- 115 full professors, 126 part time



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TU/e Where innovation starts (2)

- Programmes: 11 BSc, 30 MSc and 8 PDEng
- Students: 7000 BSc/MSc, 200 PDEng, 650 PhD
- Degrees/year: 550 BSc, 900 MSc, 120 PDEng, 150 PhD
- 265 M€ income
(65% government subsidy; 25 % research projects/programs; 10 % fees/other)
- 3200 scientific publications/year
- 15 high tech starters/year

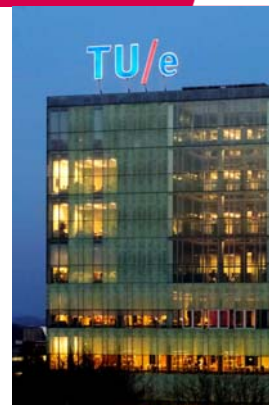
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Managerial cooperation

- Supervisory Board with 2 CEO's from leading industrial companies
- Departmental Advisory Boards with representatives from industry and business
- Active participation in regional economic development programmes by 'triple helix'



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Cooperation in education

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Cooperation in education

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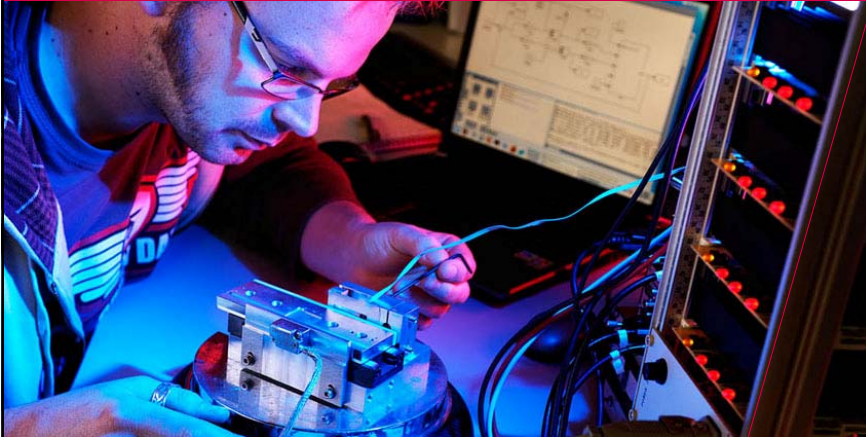
- Large number of part-time professors from industry
- Dual MSc-programmes
- Full cost scholarship with employment contract for international MSc-students by regional industry
- 1-year project in industry in PDEng-programmes

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Cooperation in research

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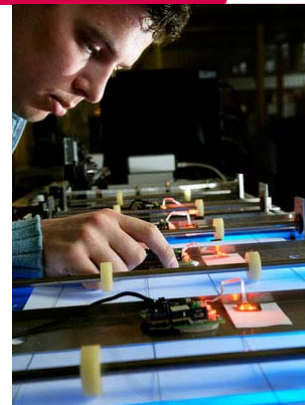
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Cooperation in research (1)

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- Research policy making in consultation with industry
- Great impact industry on strategic research agenda
- Focus on excellence and innovation
- Account management
- Contract research



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Cooperation in research (2)

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- Public private research programmes and institutes, supported by government

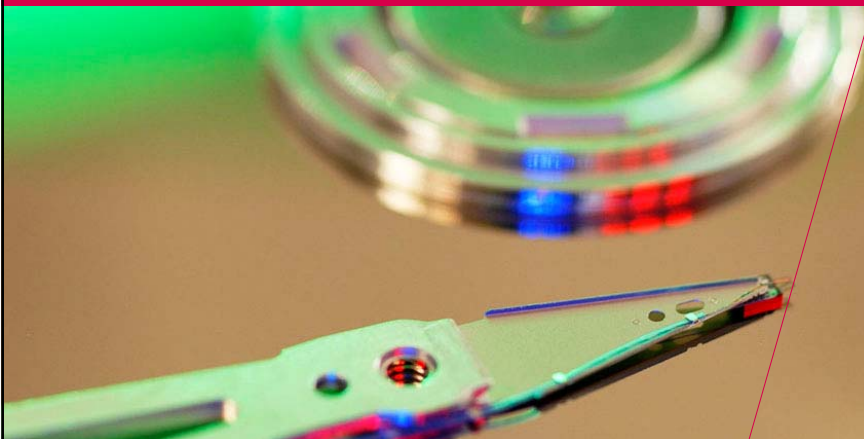
- Dutch Polymer Institute
- Embedded Systems Institute
- Holst Centre (wireless autonomous transducer solutions & system-in-foil products and production)
- Point One (nanoelectronics & embedded systems)
- High Tech Automotive Systems
- Center for Translational Molecular Medicine
- Biomedical Materials Programme
- Programme for High Tech Systems (precision technology)

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Cooperation in knowledge transfer

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Cooperation in knowledge transfer (1)

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- Coordination by dedicated unit
(‘TU/e Innovation Lab’)
- Regional knowledge & technology transfer office
(‘United Brains’)
- Knowledge vouchers for SME’s
- Regional incubator for high tech spin offs
- Regional SBIC for seed capital

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Cooperation in knowledge transfer (2)

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- Alumni-entrepreneurs as business angels for high tech starters
- Regulation Intellectual Property (3 x 1/3)
- Participation in starting businesses under umbrella TU/e Holding
- Dedicated P.R. strategy towards industry
- Entrepreneurial education programmes



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