Introduction to

Delft University of Technology

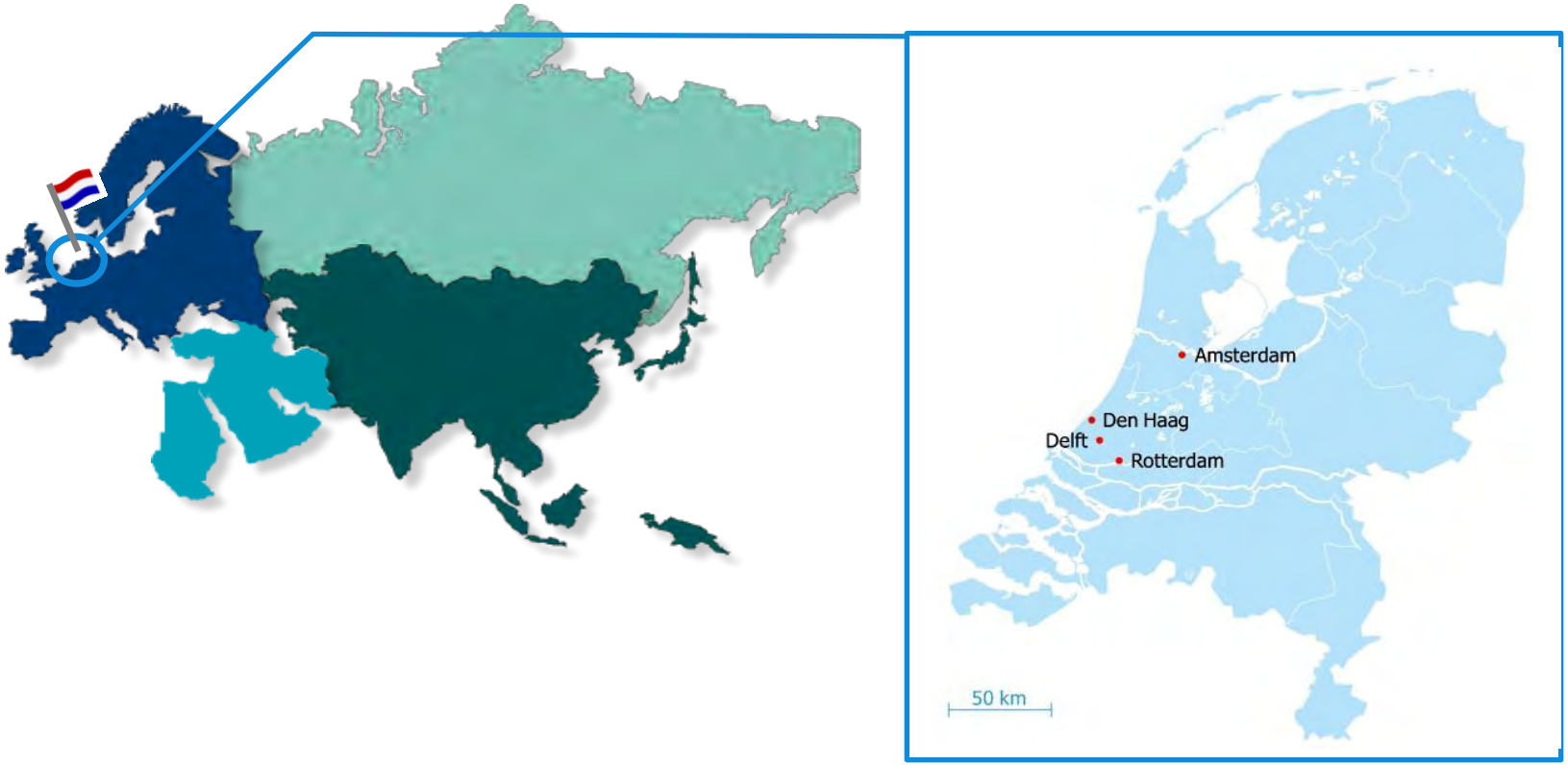
Peter Wieringa vice-rector

TU Delft

8 April 2013

Delft

Historic city in The Netherlands, Western-Europe



The Netherlands

Facts & Figures

- Capital: Amsterdam
- Total population: 16 million
- 480 people / km^2 (USA: 34/ km^2)
- ¼ of the entire country is below sea level
- Among the tallest people in the world (~1,85 m)
- ...

The Netherlands

Small country with strong economy

- World's 3rd largest agricultural exporter
- World's 8th largest exporter
- Home country of Shell, Phillips, ING, Heineken, ASML, …
- Founding member European Union, OECD, & WTO
- International Court of Justice seated in The Hague
- Leading trading nation 17th -18th century
- Famous painters
- Known for tulips, windmills, wooden shoes !
- …

The Netherlands

Among best living environments

- High level infrastructures for public transport, electricity and telecommunication
- Stable political and regulatory environment
- Known for their liberal ideas
- All services and attractions are nearby
- Most people speak English
- ...

The Netherlands

Technical challenges everywhere

- Port of Rotterdam: biggest port in Europe

  largest port in the world until 2004
- Worldwide leading country in the design and

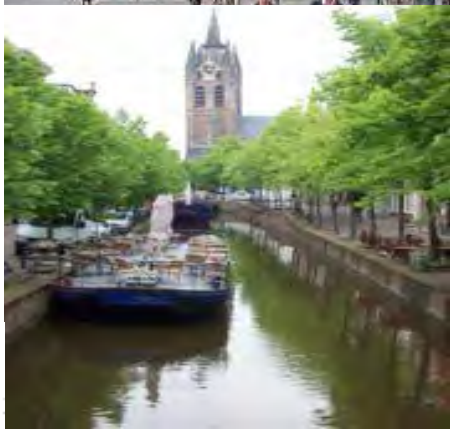
  construction of waterworks
- Large offshore wind farms under construction
- Home country of the architect Rem Koolhaas
- ....

City of Delft

Student city and important tourist destination in Europe

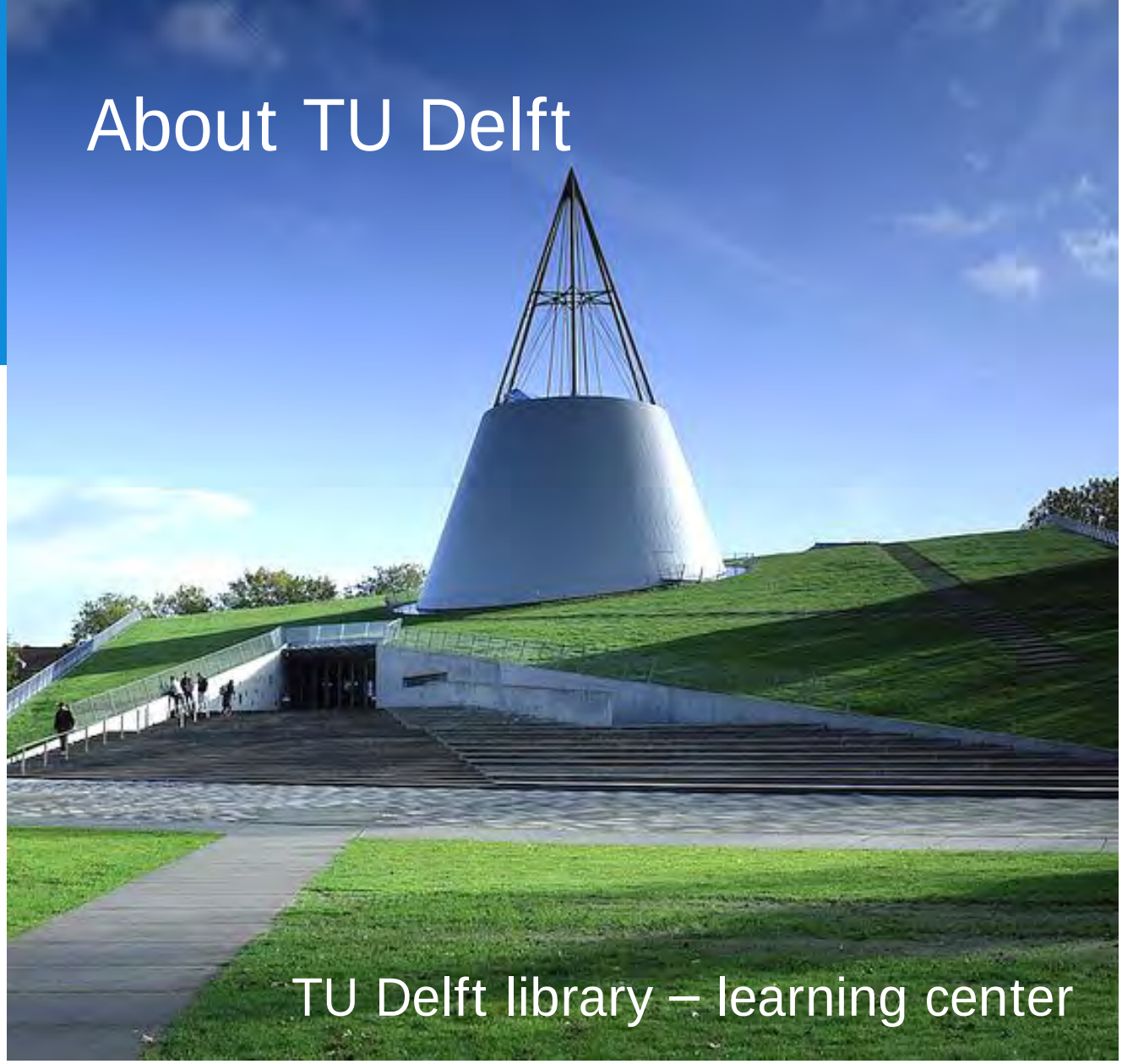
- Over 17,500 students study at TU Delft
- Traditional Dutch town centre expanded around canals
- Associated to the Dutch royal family
- Home to famous Delft porcelain factories & Vermeer
- ¾ hr to Amsterdam (Schiphol Airport),

  1¼ hr to Brussels, 2¾ hr to Paris
- Well known for its great number of bars and pubs



ROYAL 1653 DELFT
KONINKLIJKE PORCELEYNE FLES

About TU Delft



TU Delft library – learning center

About TU Delft

- Founded in 1842 by King William II
- Oldest & largest University of Technology in Neth.
- 4th university of technology in EU (THE EngTech 2012)
- Member of edX, Active in OER, MOOC

- For more info: www.tudelft.nl

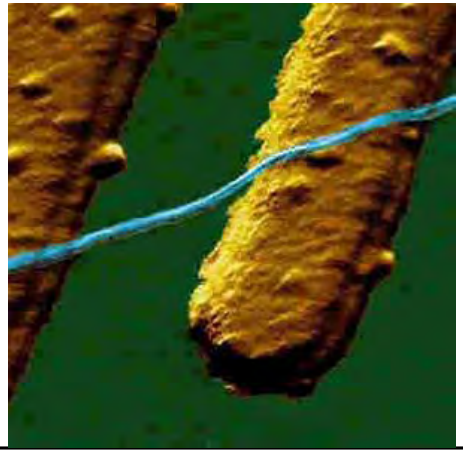
TU Delft

8 faculties with 3-6 departments

- Applied Sciences
- Electrical Eng. Mathematics and Computer Science

- Mechanical, Maritime and Materials Engineering
- Aerospace Engineering
- Civil Engineering & Geosciences

- Industrial Design Engineering
- Architecture
- Technology, Policy and Management



TU Delft

Facts & Figures (2011)

- 17.249 BSc + MSc Students
- 32% International MSc students
- 14 BSc programs (3 yr) ~2000 BSc/yr
- 33 MSc programs (2 yr) ~2000 MSc/yr

- 2500 PhD candidates
- 62% International PhD candidates
- 1 PhD program (4 yr) ~319 Dr/yr

- 2.539 Academic staff members
- 5.840 Academic publications

- 377 M€ public + 143 M€ third parties

TU Delft

2.654 internat. MSc students (32%)

Region	Number of Students (2011)
Asia	970
Europe	1346
Africa	64
North/Mid America	125
South America	146
Oceania	3

TU Delft Research based Initiatives

4 Research Initiatives across faculties

Energy	Environment	Infrastructures	Health

Fundamental Sciences

TU Delft Research facilities

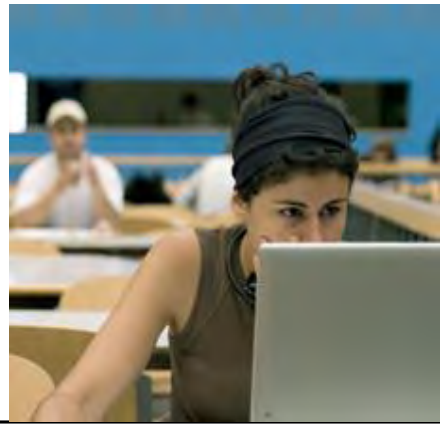
Research facilities for education & research

- Experimental nuclear reactor
- Micro-electronics and Nano Technology (Kavli inst.)
- Wind tunnels
- Water basins for coastal & marine research
- High voltage lab
- Airplane (Cesna) & Flight simulator
- Large scale radar & telescope
- Process engineering lab
- High performance computer network
- ....

Exchange Program

TU Delft Exchange Program

many BSc courses in English
one BSc program (AE) in English
all MSc programs in English

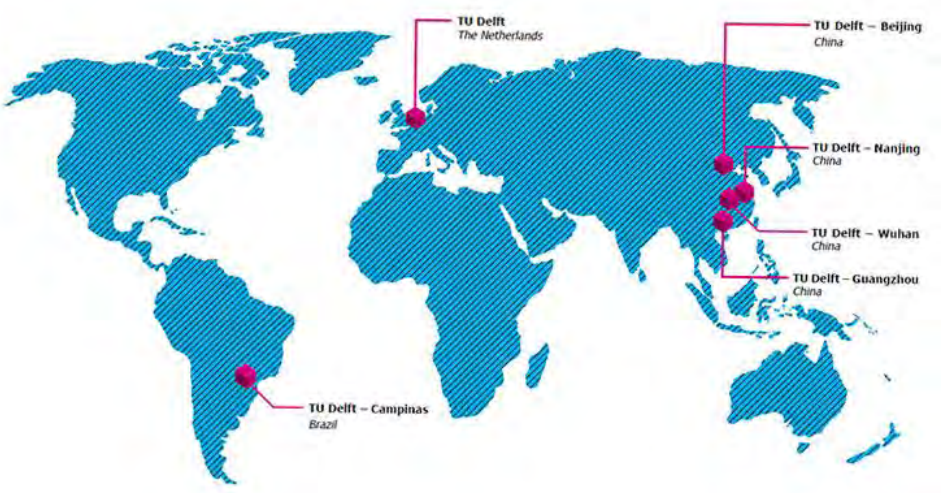


- Study for 1 or 2 semesters at any faculty
- Start in September or February
- Exempted from tuition fee if paid at home university
- Completed 1st year of study at home university
- Home university should approve exchange & fully accept examination results

- Details application procedure: www.tudelft.nl/exchange

International Relationships

- Europe: IDEA-league, Cesaer, UNITECH, EUA
- Outside EU: Global E^3 , partneruniversities.tudelft.nl
- Research Centres abroad:
  - Being, Wuhan, Ghuanzhou, Nanjing,
  - Campinas



Costs of stay in Delft

- Minimum budget required by immigration service:

  € 795 / month ~ $ 1030/month

- Initial settling-in expenses: € 1.500
- Costs: between € 850 - € 1.100 / month
  - food, accommodation, transport, books and health insurance

- More info: www.tudelft.nl/exchange

TU Delft International Office

Winner *Orange Carpet Award* 2009, 2010

Services to international students:

- Housing and visa arrangements
- Social and cultural program
- Sports activities
- Counseling services
- .....

The Exchange Program

Experience unique student life

- Enjoy the exciting student life in Delft
- Live in a multinational student environment and meet many different cultures
- Explore Netherlands and the rest of Europe
- Experience the liberal state of mind the Dutch are known for.

Get in touch, find out more

- Bilateral agreements partneruniversities.tudelft.nl
- Global E^3 Contact: Ms. Tamara Bacsik t.m.bacsik@tudelft.nl
- Programs, application, services, … www.studyat.tudelft.nl
- Tweets www.twitter.com/delftuniversity
- Facebook www.facebook.com/TUDelft
- Check out several movies on www.youtube.com/user/tudelft
- TU Delft Exchange website: www.tudelft.nl/exchange
- Study guide www.studyguide.tudelft.nl

Vermeer (1660) – View of Delft

Delft