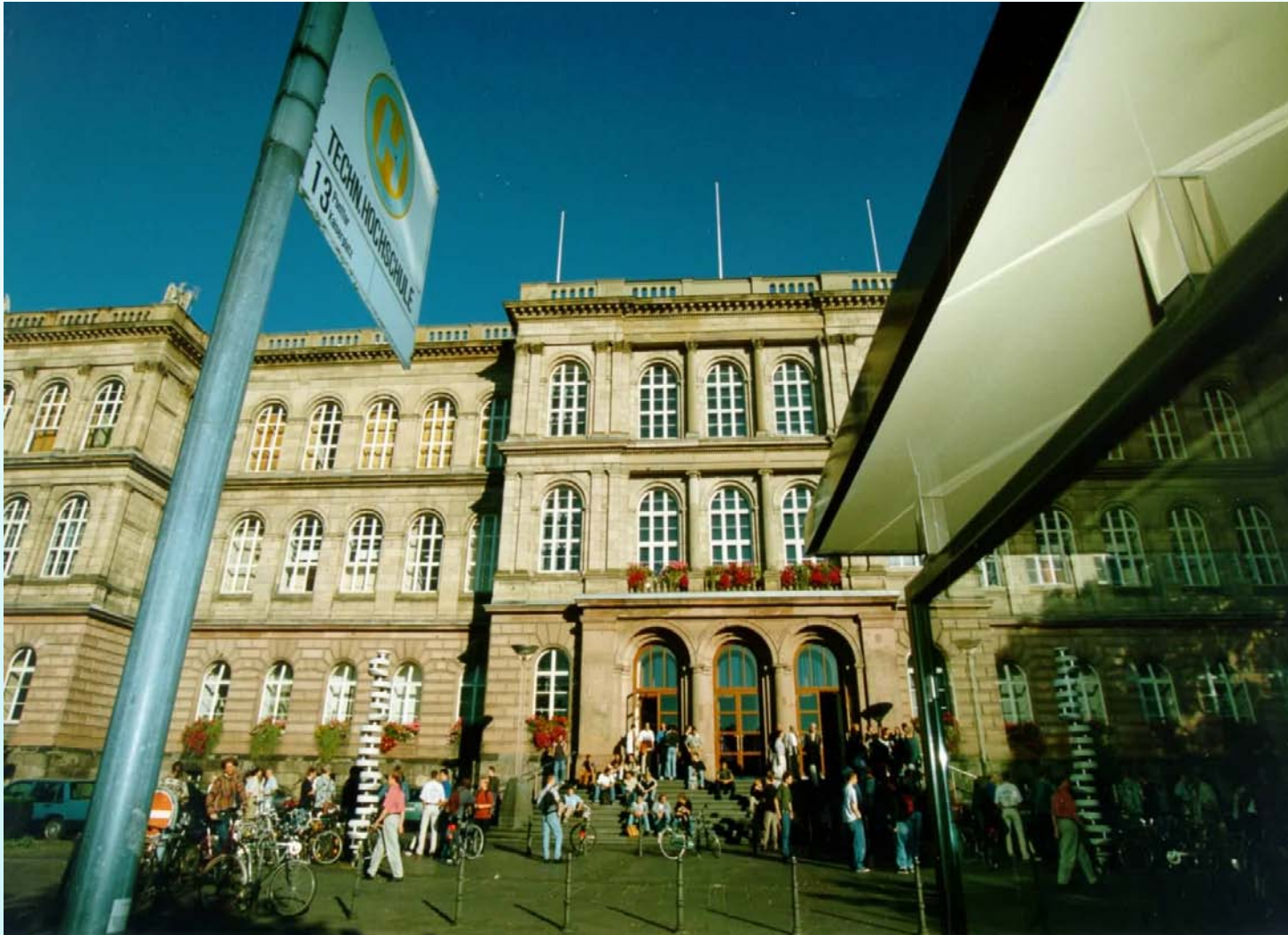


RWTH Aachen University

Herbert Olivier

Shock Wave Laboratory

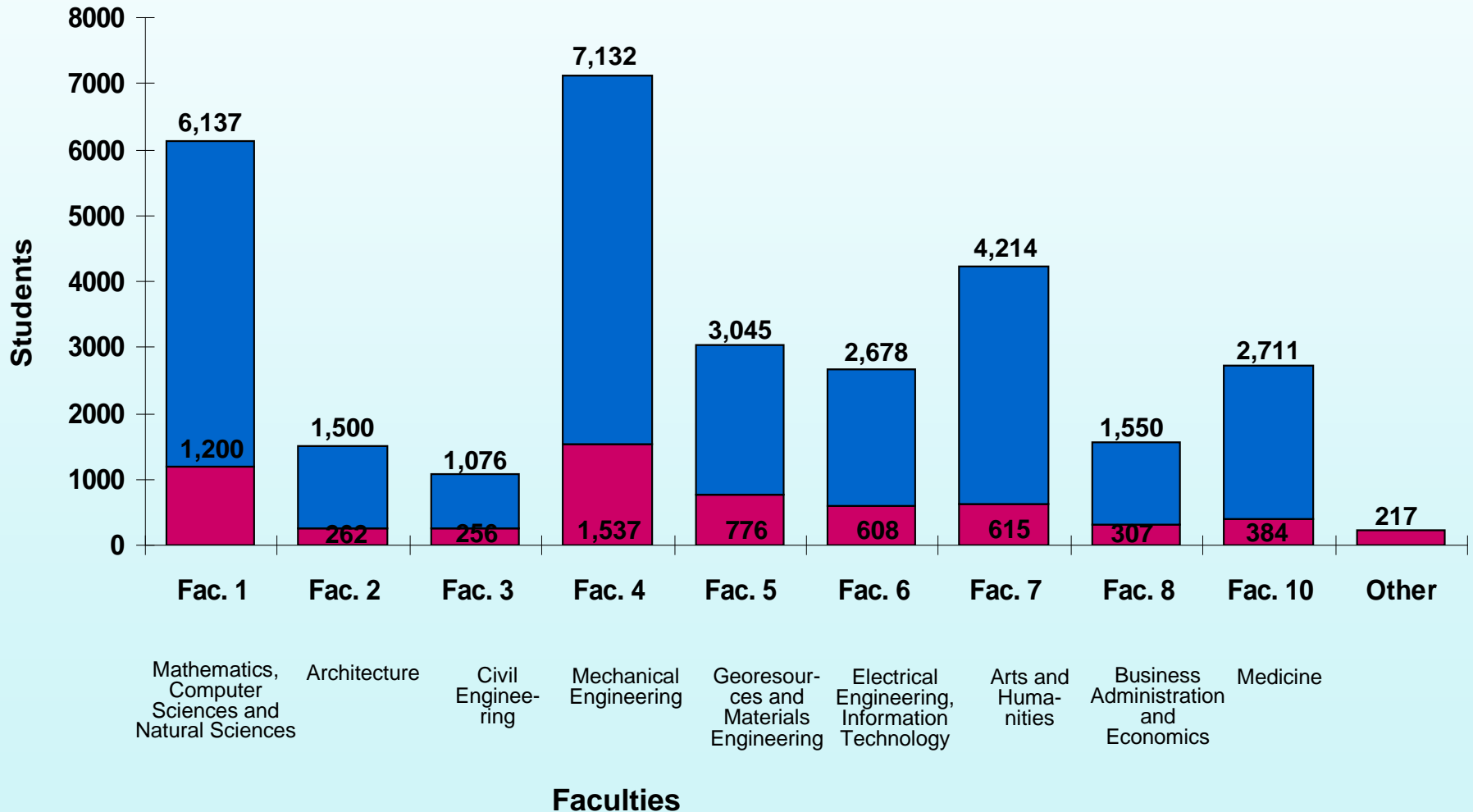
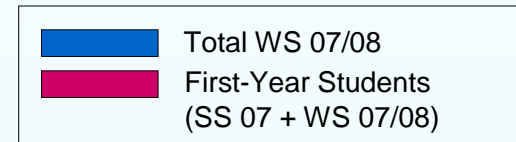
Main Building



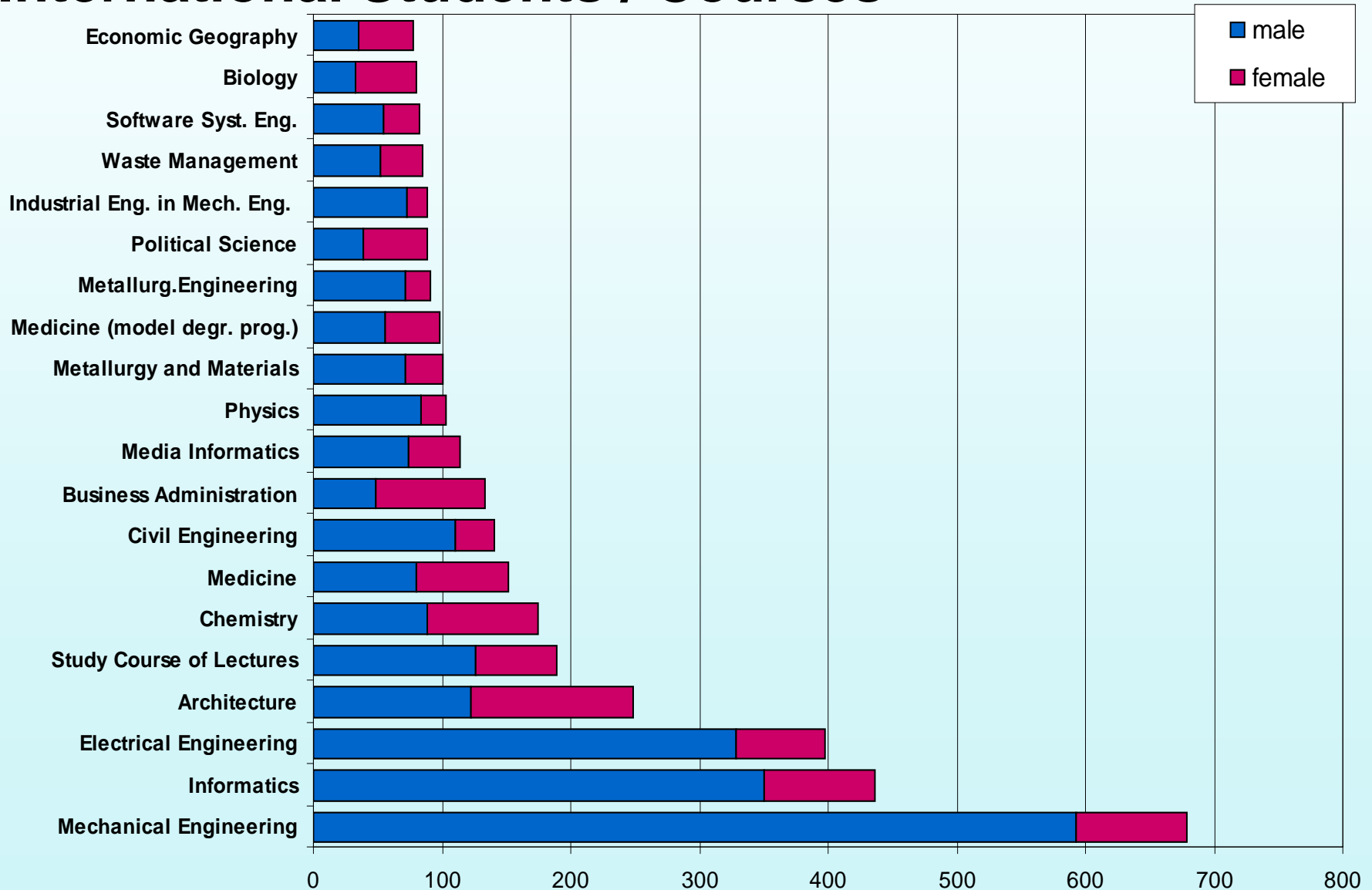
Figures 2007

101	Courses of studies: under- and postgraduate studies
450	Professors
2,000	Other academic staff: research assistants, etc.
2,000	Non-academic staff
30,260	Students
9 (+1)	Collaborative Research Centres
4	Transregios
3	Transfer Areas
10	Research Training Groups
€377	million budget (without external funding)
€162	million external funding
€ 35	million affiliated institutes

Number of Students 2007/2008



International Students / Courses

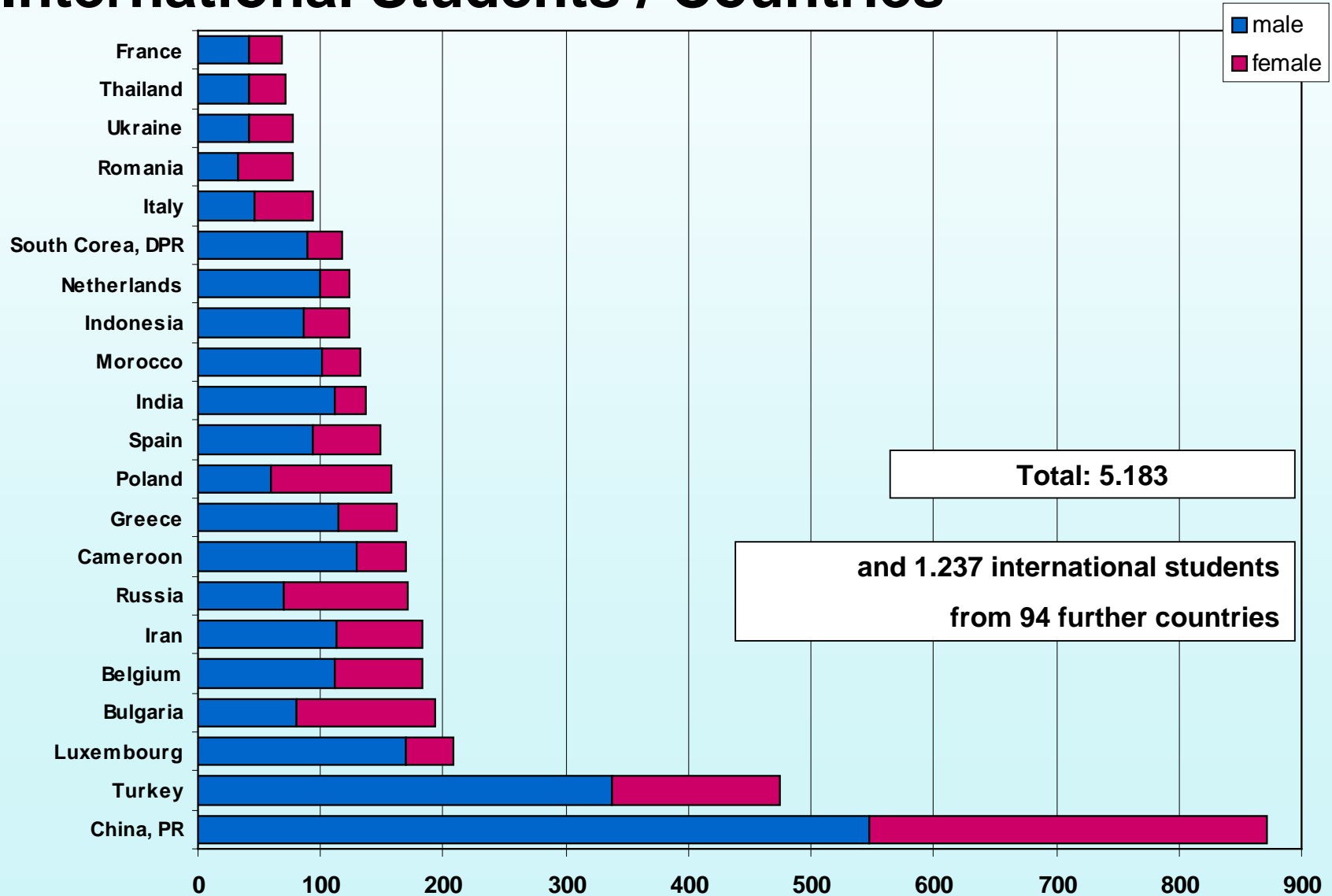


Cooperation with Universities in Japan

University agreements including student exchange, research cooperation and faculty exchange with

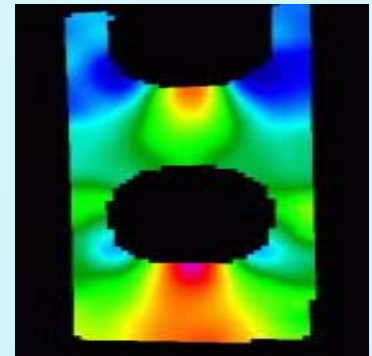
- **Keio University** (since 1956)
- **Tohoku University** (since 1992)
- **Daido Institute of Technology** (since 2002)
- **Osaka University** (since 2005)
- **Tokyo Institute of Technology (TIT)** (since 2007)

International Students / Countries



Faculty of Mechanical Engineering (2005)

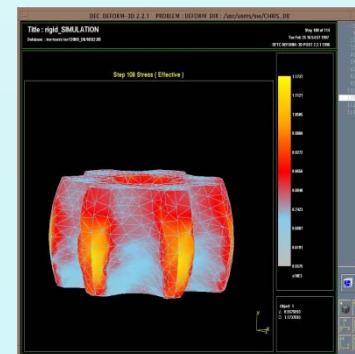
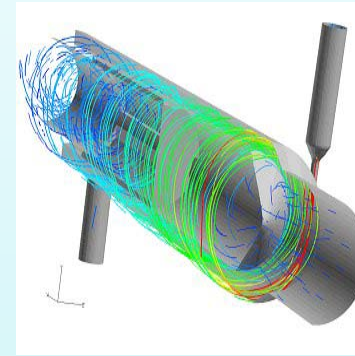
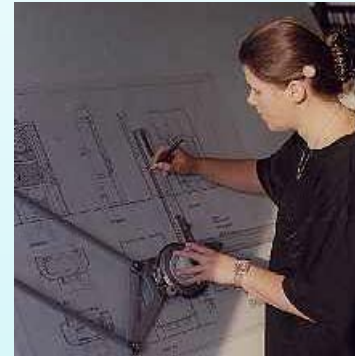
- Staff: 2.204 (3.152 incl. Affiliated Institutes, FhG)
 - 48 Professors
 - 150 Tutors, lecturers from research and industry
 - 630 Academic staff
 - 545 Non-academic staff
 - 289 Student co-workers and scientific staff
- Degrees:
 - 386 Graduates
 - 136 Doctorates
- Students:
 - 6.219 Students in total
 - 1.373 Newly enrolled students (WS 05/06)
- Total turnover: 123,1 (173,8) Mio. €
 - Basic funds: 72,4 Mio. €
 - External funds: 50,7 Mio. €
 - Affiliated Institutes and FhG: 50,7 Mio. €



Major Studies

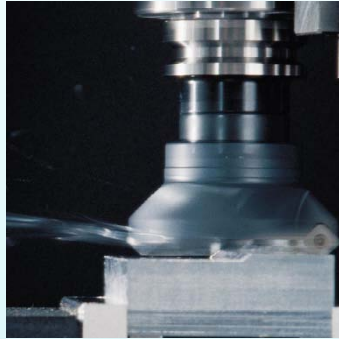
- Production Engineering
- Design Engineering and Development
- Chemical Engineering
- Plastics and Textile Technology
- Energy Engineering
- Transportation Engineering
- Fundamentals of Mechanical Engineering

During the major studies of the programme, students specialise in a particular field

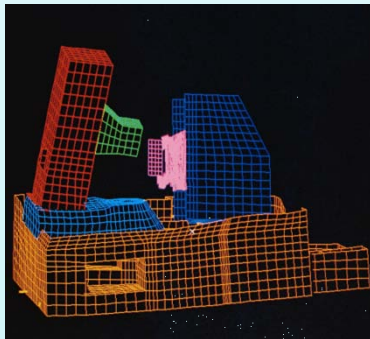


Production Engineering

- Manufacturing Technology

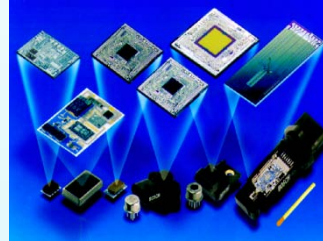


Stock removal process

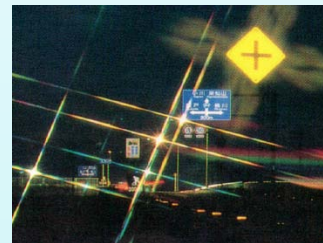


Machine analysis

- Microsystems Technology



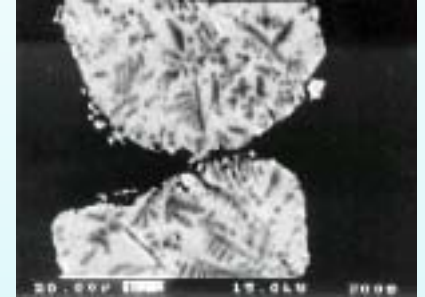
Sensors for automobiles



Reflectors in traffic engineering



- Materials Engineering



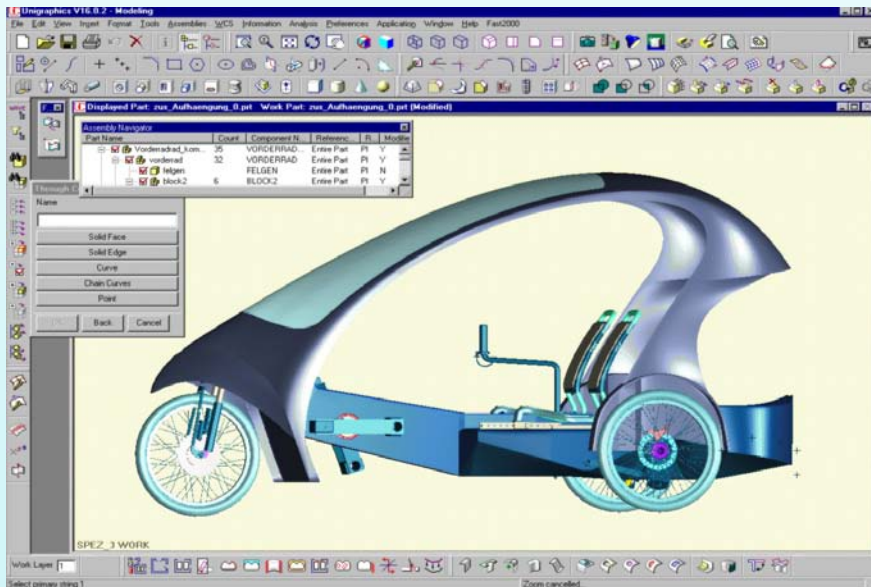
SiO crystal



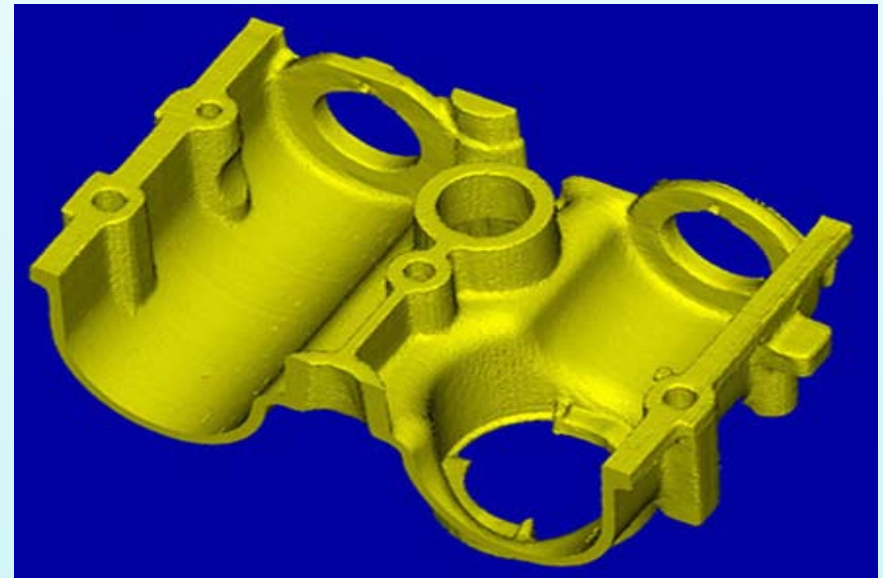
Artificial knee-joint

Design Engineering and Development

- Method-oriented emphasis

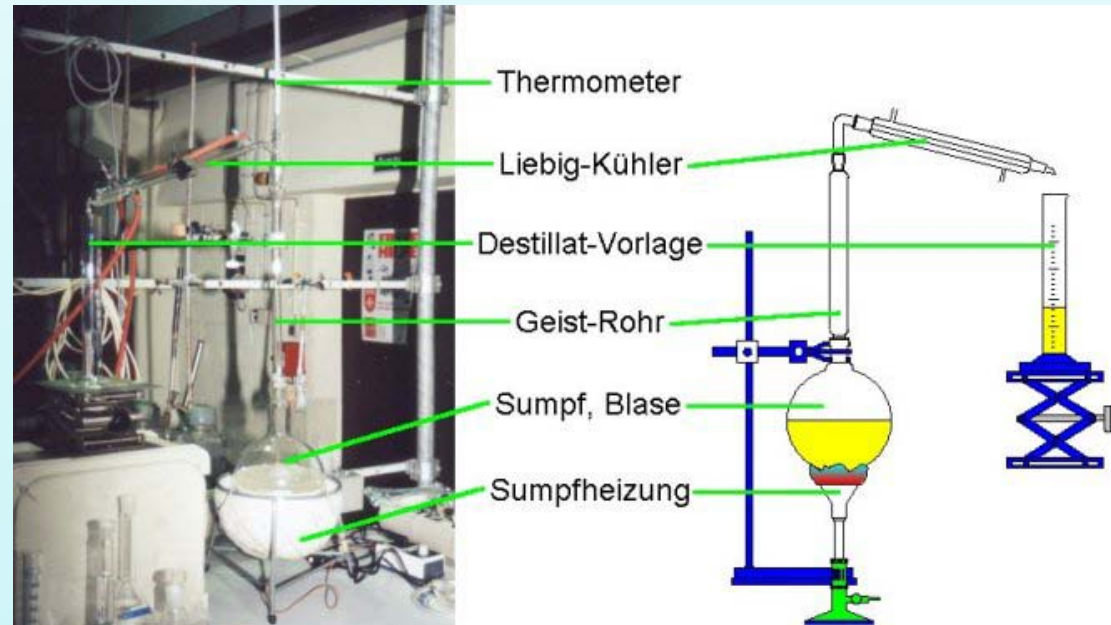
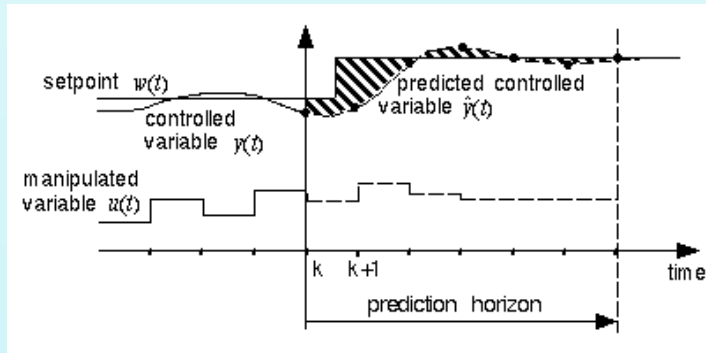


- Product-oriented emphasis



Chemical Engineering

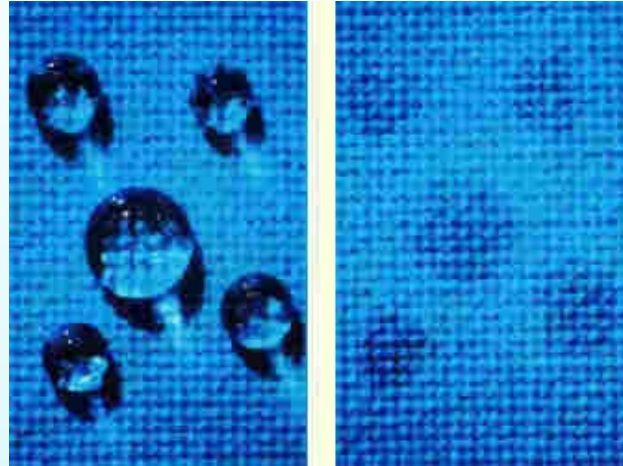
- Mechanical Process Engineering
- Chemical Process Engineering
- Thermal Unit Operations
- Power Generation and Heat Transfer
- Process Systems Engineering
- Environmental Protection Processes
- Biochemical Engineering



Plastics and Textile Technology



Blown film production



Hydrophobic textiles



Plastic die cast component



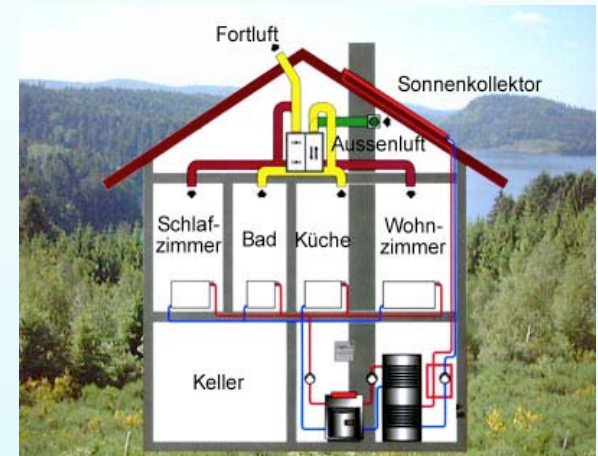
World record bicycle with carbon fiber casing



Bicycle with carbon fiber frame

Energy Engineering

- Reactor Safety and Reactor Technology
- Power Plant Technology
- Thermal Engineering
- Combustion Engines
- Turbomachinery / Jet Propulsion



Heating and ventilation engineering



Combustion engine



Solar tower



Coal-fired power plant

Transportation Engineering

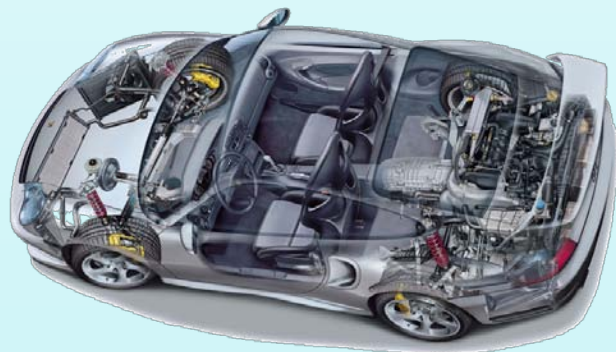
- Automotive Engineering
- Mechanical Conveying / Rail Vehicles
- Aeronautical and Space Vehicle Engineering



Mercedes Actros



„Thalys“



Porsche Carrera GT2



Airbus A 340



Ariane 44LP

Degrees Awarded

■ First degrees
 ■ Doctoral degrees
 ■ *Habilitations*
 (postdoctoral qualifications)

