



International M.Sc. Programme

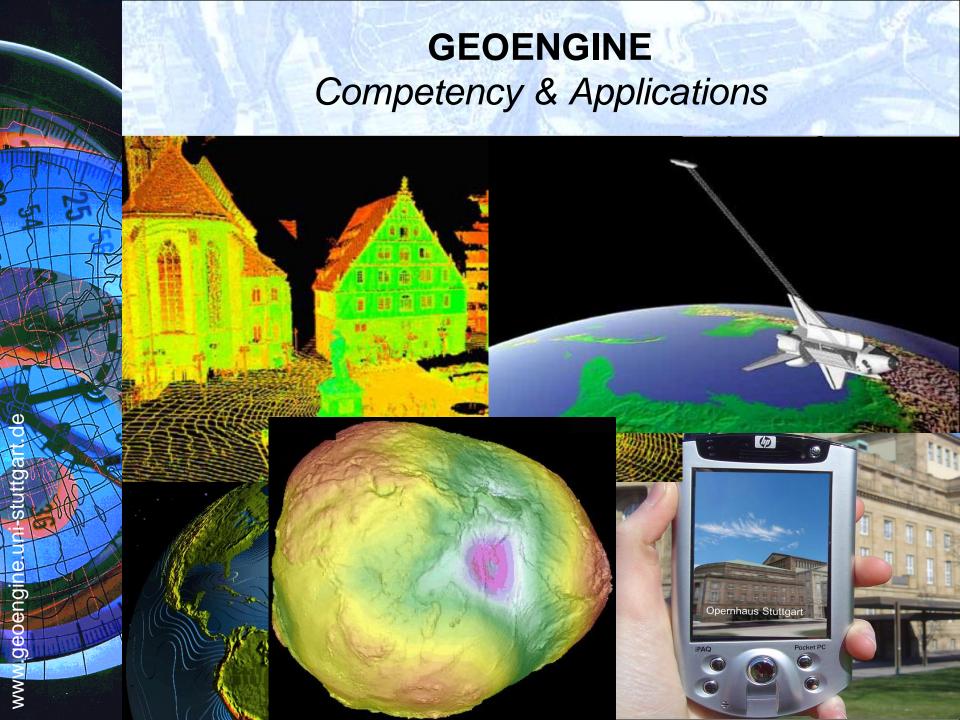
Geomatics Engineering – GEOENGINE

University of Stuttgart Germany





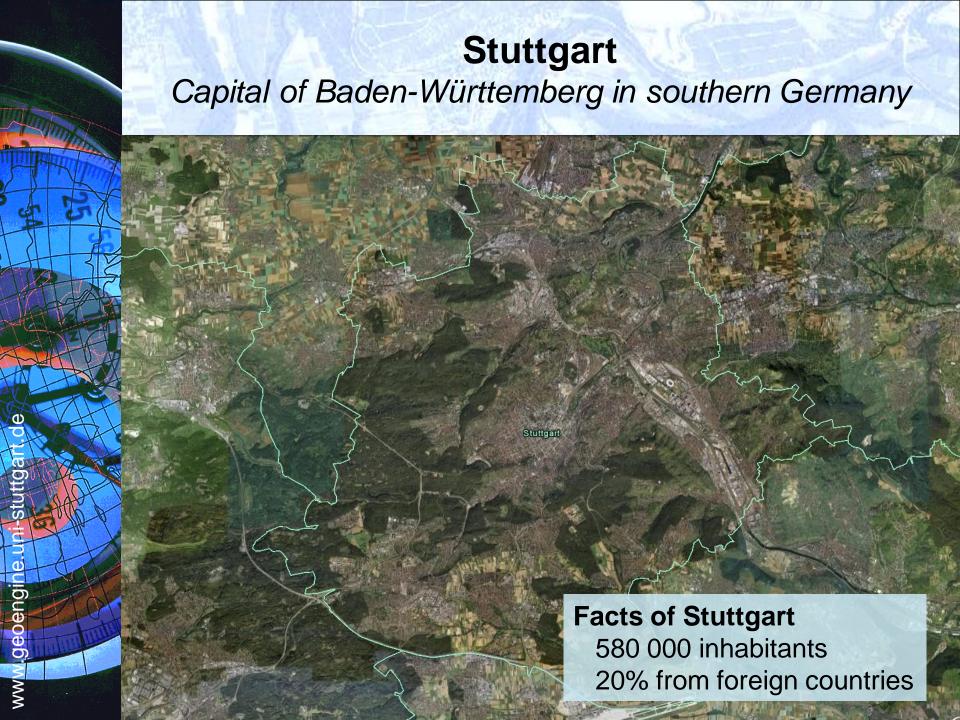
- key discipline for monitoring the system
 Earth in its complex interplay of atmospheric, hydrospheric and solid
 Earth dynamics
- indispensable prerequisite for urban planning, traffic management and sustainable economic development
- offers tools for the effective prevention and mitigation of natural hazards and disaster management



GEOENGINE Competency & Applications

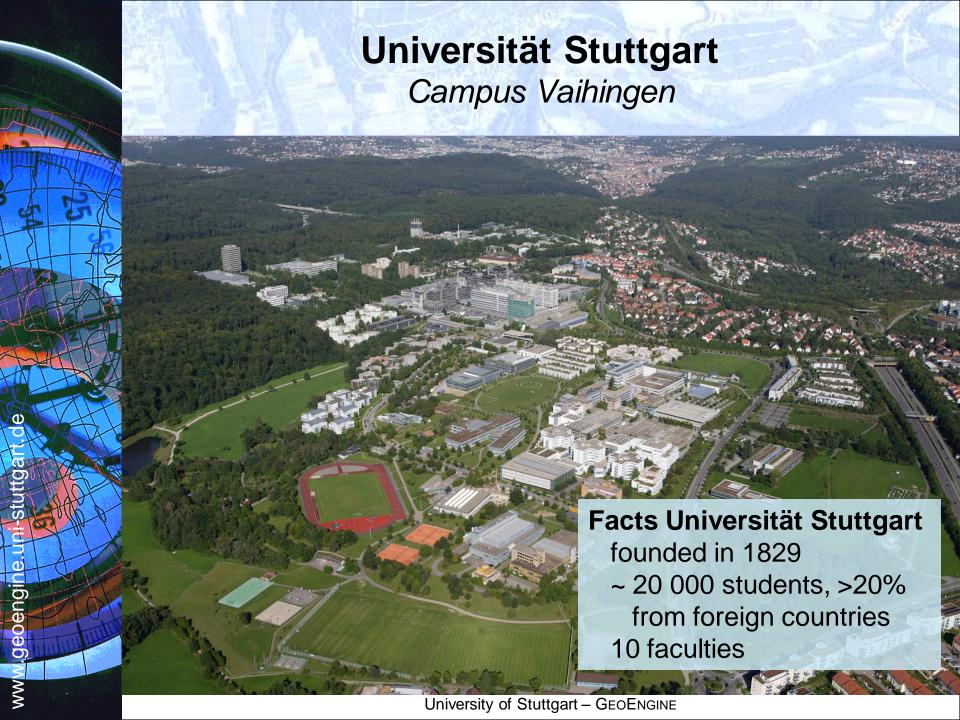


Stuttgart Capital of Baden-Württemberg in southern Germany Coordinates Latitude 48.77° North Longitude 9.18° East



Stuttgart Capital of Baden-Württemberg in southern Germany







Faculties in Universität Stuttgart

Faculty 1: Architecture and Urban Planning

Faculty 2: Civil and Environmental Engineering

Faculty 3: Chemistry

Faculty 4: Energy Technology, Process Engineering and

Biological Engineering

Faculty 5: Computer Science, Electrical Engineering and

Information Technology

Faculty 6: Aerospace Engineering and Geodesy

Faculty 7: Engineering Design, Production Engineering

and Automotive Engineering

Faculty 8: Mathematics and Physics

Faculty 9: Humanities

Faculty 10: Management, Economics and Social

Sciences

Faculty of Aerospace Engineering and **Geodesy – The Geodesy Part**

Institute of Geodesy Institute of Navigation









Photogrammetry

Institute for Institute of Engineering Geodesy

Department of Geodesy & Geoinformatics

GIS ifp iigs



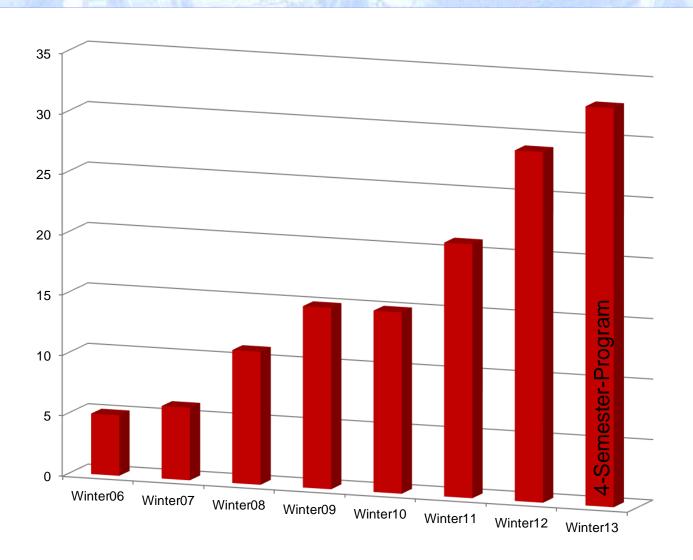
Geschwister-Scholl-Str. 24D



INS

Breitscheidstr. 2

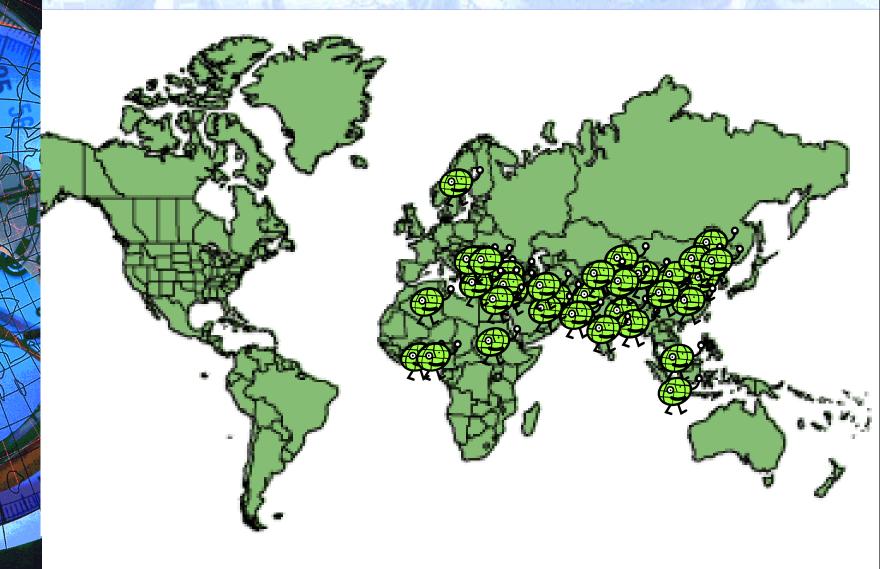
Number of enrolled students "The history of GEOENGINE"



.geoengine.u



GEOENGINE 2013 The *eighth* generation - Internationality



1st semester – compulsory classes

1st semester

(winter) 30 ECTS

2nd semester

(summer) 30 ECTS

3rd semester

(winter) 30 ECTS

1st semester (30 ECTS)

Advanced Mathematics

Statistical Inference

Signal Processing

Monitoring

Coord. Syst. & Map Projection

Language & Culture

2nd semester – compulsory classes

1st semester

(winter) 30 ECTS

2nd semester

(summer) 30 ECTS

3rd semester

(winter) 30 ECTS

2nd semester (30 ECTS)

Dynamic System Estimation

Kinematic Measurement Syst.

Physical Geodesy

Airborne Data Aquisition

Remote Sensing

Integrated Project



3rd semester – compulsory/elective classes

1st semester

(winter) 30 ECTS

2nd semester

(summer) 30 ECTS

3rd semester

(winter)
30 ECTS

3rd semester (30 ECTS)

Geoinformatics

Thematic Cartography

Law

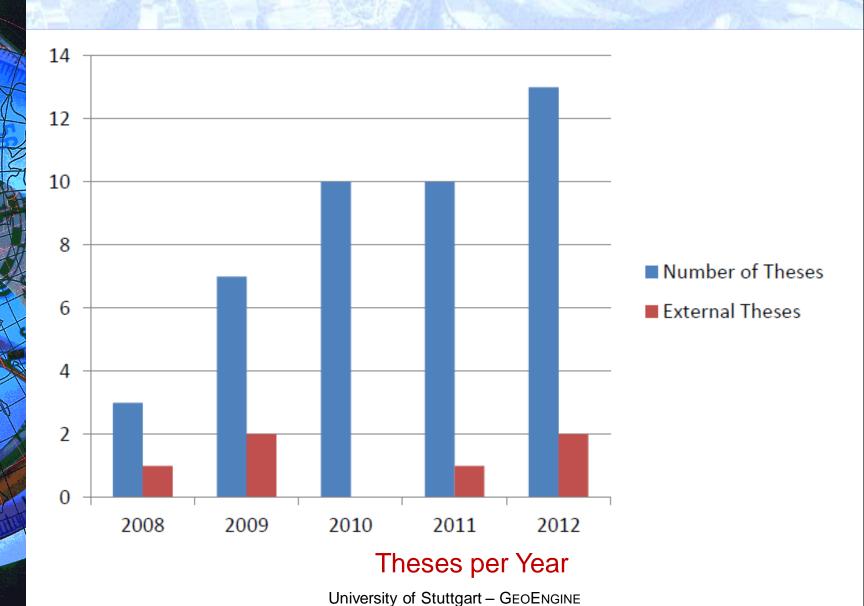
Electives (2 out of 4)

- . Module Satellite Geodesy
- . Module Navigation
- . Module Geo-Telematics
- . Module Multisensor Integrat.



- ➤ ECTS- European Credit Transfer and Accumulation System (欧洲学分互认体系)
- ✓ Bologna Process **1999**年欧洲**29**个国家在意大利的博洛尼亚大学 签订的博洛尼亚宣言:
- ✓ 欧洲诸国间在高等教育领域(本科和硕士)互相衔接,以确保各国高等教育标准相当;
- ✓ ECTS学分(Credit Points, Leistungspunkte) 对应30学时;
- ✓ 按照参加学习人数,成绩分为7等,其中最后2等为不及格;
- ✓ 全日制欧洲学生,每学年(2学期)应获得60个ECTS学分;
- ✓ 第一阶段180-240 ECTS,通常授予学士学位;
- ✓ 第二阶段90-120 ECTS,通常授予硕士学位;
- ✓ 第三阶段,不受该体系影响,通常授予博士学位;
- ✓ 德国大学普遍实行6学期共获得180 ECTS学分可授予学士学位!

4th semester - Thesis Research



www.geoengine.



general information

- started winter term 2006/2007
- 24 months (4 semesters, 4 x 30 credits), modularized programme
- Tuition fees 1500 Euro and student service fees of around 120 EUR per semester
- several awards & grants available (industry-sponsored)
- admission
 - 20-30 students/year
 - B.Sc
 - English test
- application deadline: March 15



The technical/scientific requirements for international students:

- a qualifying Bachelor Degree in Geomatics Engineering
- Successful performance is marked with the average grade "gut" or better ("sehr gut").
- At least two independent recommendation letters are highly recommended.
- a proof of fundamental knowledge of the English language
 - i.e. TOEFL test, min. 550 points (paper-based testing) or 213 points (computer-based) or 80 points (internet-based) or
 - any other proof equivalent to it (i.e. IELTS Band 6.0).



2 weeks of practice on the Swabian Alb



GEOENGINE Student Scholarships

(for 2nd & 3rd semester students only)



IGI Scholarship(1 per semester)

MS Vexcel Imaging Scholarship (1 per semester)



University of Stu

GEOENGINE Student Scholarships 2014

(for 2nd & 3rd semester students only)







Life besides study

Some social aspects



Soccer Tournament Summer 2010





Feedback from Graduates

Student from Poland – graduated in 2009



Besides the obvious knowledge benefits, the time spent in Stuttgart was a great opportunity to broaden mind. Living in the foreign country, studying with colleagues coming from different continents, establishing friendships with people who brought up in other cultures - had a great influence on my life attitude. I have never experienced and learned so much in such a short period of time.

Student from India – graduated in 2009



Without any hesitation, I would like to give the credit of all this to GEOENGINE program. I strongly believe that this program at University of Stuttgart was the most logical extension of my academic pursuits and a major step towards achieving my objectives. I can assure you: if you are fascinated by Statistics, Mathematics, Planetary Motion, GPS, Time & Coordinate Systems, Map Projection, etc., studying with International group of students, then this is the program for you.

Student from China – graduated in 2008



If you are interested in Geoscience; if you have firm foundation of mathematics; if you want to know some interesting professors and doctors; if you would like to challenge yourself, I guess, GEOENGINE would be your right choice.

Contact information

University of Stuttgart

Geomatics Engineering (GEOENGINE)

Dr.-Ing. Martin Metzner
Course Director
c/o Institute of Engineerring Geodesy
Geschwister Scholl Str. 24D
D-70174 Stuttgart / Germany
Martin Metzner

Application of Course Director

Co

Application Deadline **March 15**, each year

wail: info@geoengine.uni-stuttgart.de WWW: www.geoengine.uni-stuttgart.de

2012年5月李晓红校长率武汉大学代表团访问斯大续签两校战略合作协议



2011年10月李斐副校长率武汉大学代表团访问斯大参加两校合作十年庆典





留学的基本要求

- ➡ 强烈的求学欲望;
- → 具备较好的学习和自学能力, 外语(包括英语和德语)水平;
- ➡ 吃苦的准备;
- ▶ 经济来源 各类奖学金;
- ➡ 生活费用 ~ 500 -700 欧元/月



■出国准备

- ➡ 心理准备;
- → 行李准备:

参考书和文具用品:字典,语法及专业工具参考书

- ▶ 吃的方面: 调料, 茶叶,干货, 菜刀, 电饭锅
- → 衣物: 雨伞, 单风雨衣, 换洗衣物
- ▶ 其它学习和生活必需品:
 - ✔ 床单及被罩等
 - ✓ 必备的药品
 - ✓ 电脑及其软件
 - ✔ 手机等



Herzlich willkommen zum Studieren an der Universität Stuttgart!

Be welcome to study at Stuttgart University!

欢迎同学们来斯图加特大学深造!

