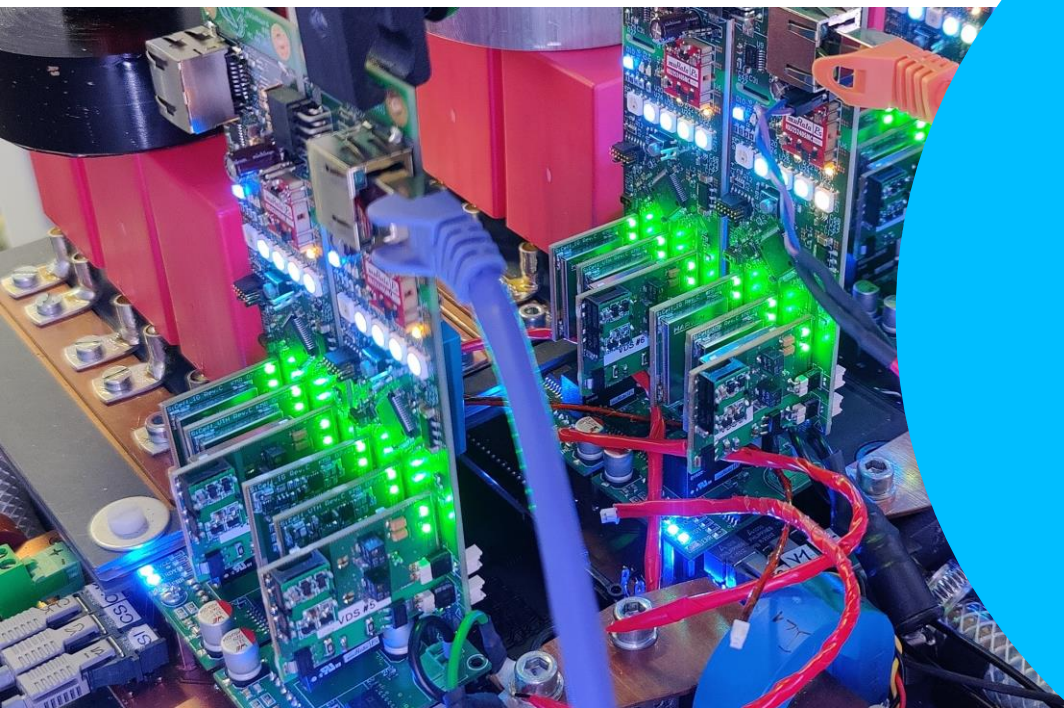




University of Stuttgart

Faculty 5: Computer Science, Electrical Engineering
and Information Technology



Info-Session for M.Sc. Program

Electrical Engineering

February 26, 2025

Speakers



Laura Busch
M.A.

Coordinator
International Service Point
(ISP) of Faculty 5



Meta Geisbüsch
LL.M.

Coordinator
International Service Point
(ISP) of Faculty 5



Prof. Dr.-Ing.
Ingmar Kallfass

Dean of Undergraduate
and Graduate Studies of
Faculty 5

Director of the Institute of
Robust Power
Semiconductor Systems

Surath Chandra

Student M.Sc. EENG

Agenda

The University of Stuttgart and the M.Sc. Electrical Engineering – an Introduction

Support for Our International Students

From a student's point of view: Surath from India

Q&A

Why should you come to Stuttgart?



STUTT GART

There are many reasons to come to Stuttgart!

- **High quality** of academia and research
- **Vibrant, international city** with high standard of living (secure), yet close to nature, perfect for study, leisure & sport!
- Head offices & manufacturing sites of **global players** (e.g. Bosch, Daimler, Porsche, IBM) and numerous **sme's**
- **Leading** in Europe in expenditure on **R&D**
- Baden-Württemberg & Stuttgart one of the most **innovative regions** in Europe



**Why the University of Stuttgart
is an excellent choice!**

At a glance

- ~21.000 students at 10 faculties (~ 5.300 internationals)
- More than 500 partner universities worldwide
- Cooperation with a large number of external research institutions & industry partners
- Among the TOP 3 universities in Germany for third-party funding per professorship



Awards & Rankings

- One of the leading technical universities in Germany / worldwide (TU9 alliance):
2025 THE World University Ranking by subject: **Engineering top 8%** & **Computer Science top 13%** worldwide!
- 4 study programs in top 150 universities worldwide (Shanghai Ranking -GRAS)
- Very good results in the CHE Master Ranking, U-Multirank and QS World University Ranking

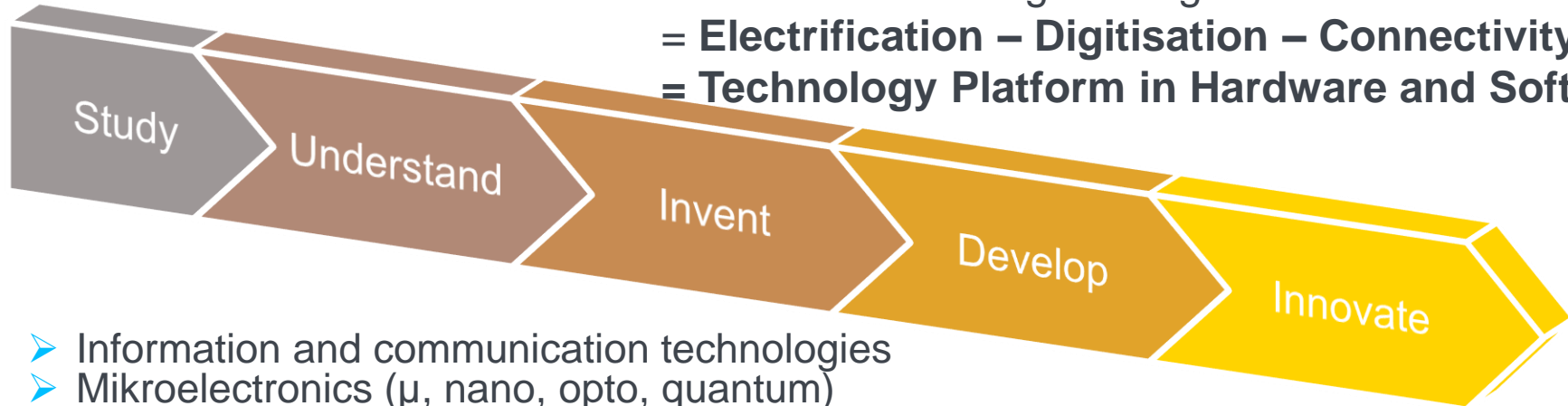


Why Electrical Engineering?

**Name a system which is not electrified, digitized and connected
...or that doesn't try to become so**



**M.Sc. Electrical Engineering
= Electrification – Digitisation – Connectivity
= Technology Platform in Hardware and Software**



- Information and communication technologies
- Mikroelektronics (μ , nano, opto, quantum)
- eMobility (power electronics, autonomous driving, ...)
- Energy (renewable energies, smart grid, ...)
- Machine learning, artificial intelligence
- Sensing (medical, industrial, consumer, ...)
- ...

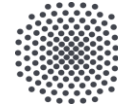
Challenges and Opportunities of University Studies



High degree of self-reliance

Challenge
consecutive
master
degree

Carefully
map your
bachelor's
profile to the
majors



**RESEARCH
UNIVERSITY**

University of Stuttgart

Studies abroad



Large range of electives

Early integration in research



Challenge
knowledge
transfer /
applied
science

The focus is on
understanding
rather than
reproducing
lecture content

...and many more

Introduction to the M.Sc. Electrical Engineering



Universität Stuttgart

Faculty 5: Computer Science, Electrical Engineering
and Information Technology

Facts and Figures | Dept. Electrical Engineering and Information Technology

1,500

STUDENTS

15

INSTITUTES

4

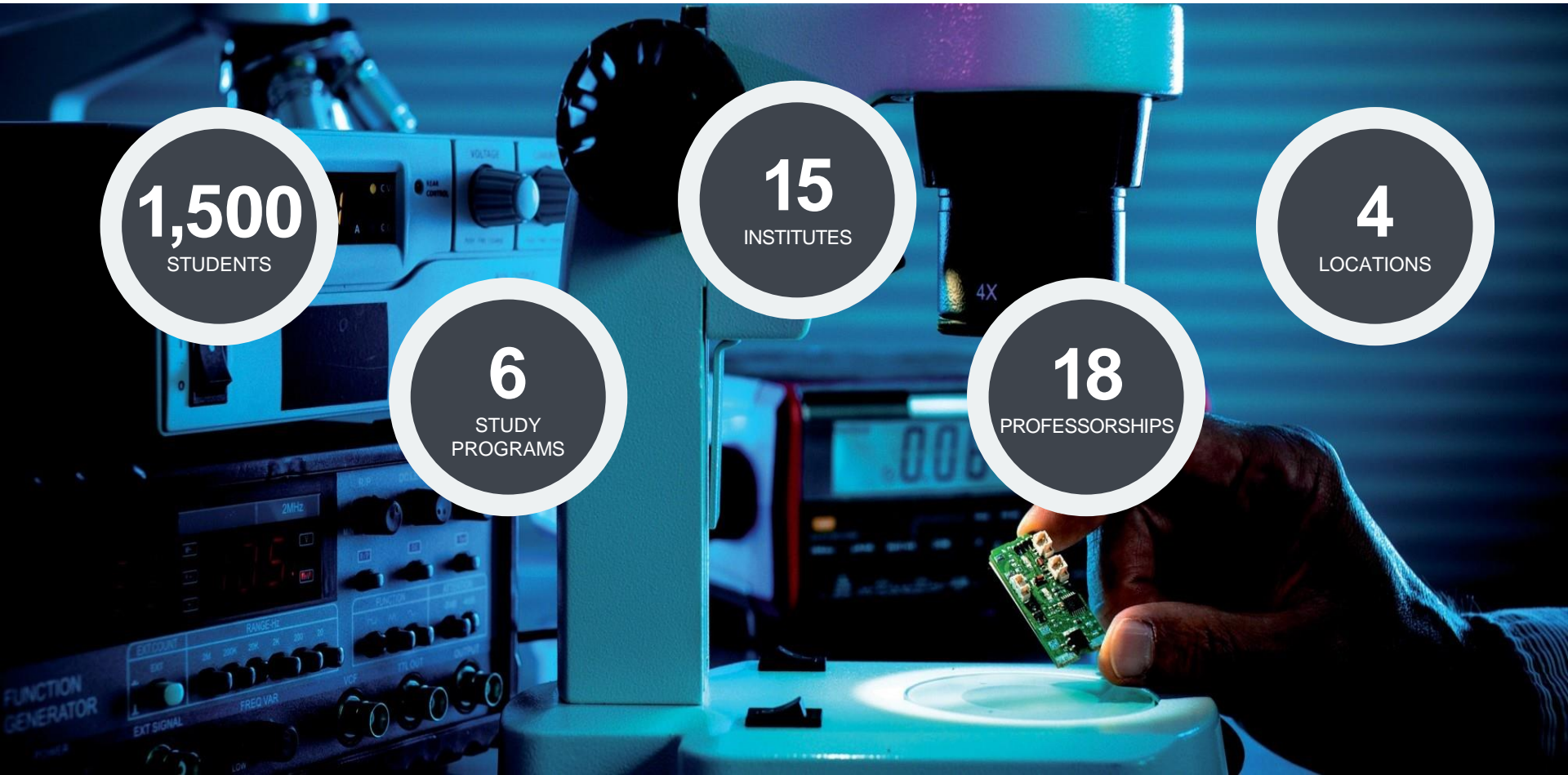
LOCATIONS

6

STUDY
PROGRAMS

18

PROFESSORSHIPS





Universität Stuttgart

Faculty 5: Computer Science, Electrical Engineering
and Information Technology

University Chairs at the Department of Electrical Engineering and Information Technology



IIS Prof. Dr.
Jens Anders



IPV Prof. Dr.-Ing.
Peter Birke



INES Prof. Dr.-Ing.
Joachim Burghartz



IGM Prof. Dr.-Ing.
Norbert Frühauf



IHF Prof. Dr. sc. techn.
Jan Hesselbarth



ILH Prof. Dr.-Ing.
Ingmar Kallfass



IKR Prof. Dr.-Ing.
Andreas Kirstädter



IAS Prof. Dr.-Ing.
Andrey Morozov



IEW Prof. Dr.-Ing.
Nejila Parspour



IEH Prof. Dr.-Ing.
Krzysztof Rudion



IPV Prof. Dr.
Michael Saliba



INT Prof. Dr.-Ing.
Georg Rademacher



ILEA Prof. Dr.-Ing.
Jörg Roth-Stielow



INU Prof. Dr.-Ing.
Stephan ten Brink



IEH Prof. Dr.-Ing.
Stefan Tenbohlen



IAS Prof. Dr.-Ing.
Michael Weyrich



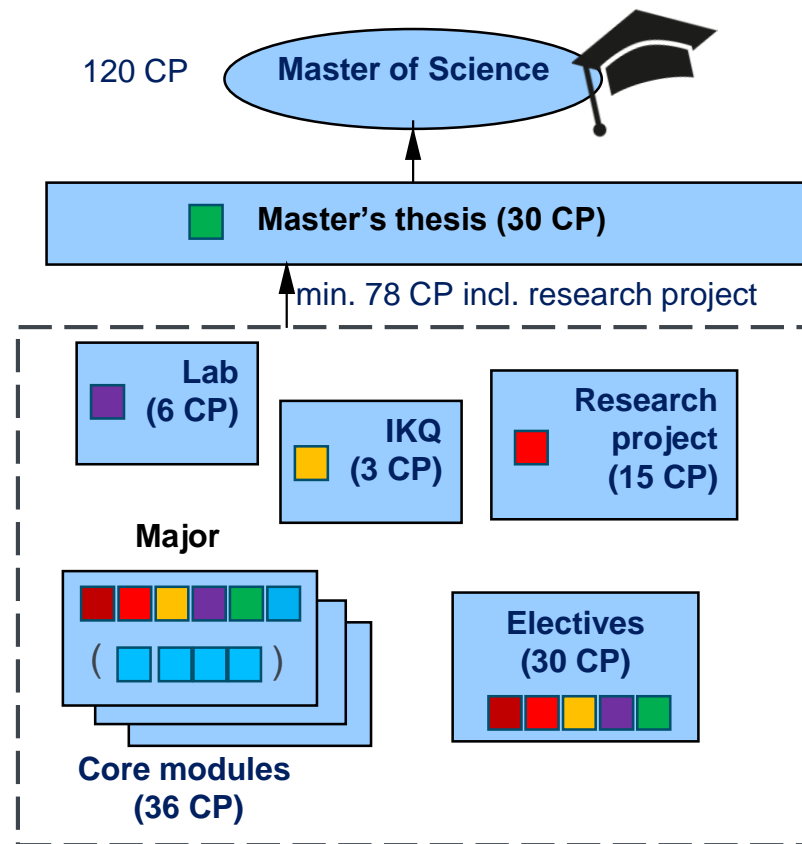
ISS Prof. Dr.-Ing.
Bin Yang



IHT Prof. Dr.-Ing.
Alwin Daus

Structure of the M.Sc. EENG Degree Programme

120 Credits according to ECTS		
Master's Thesis	30 credits	6 months full-time min. 78 credits required to register
Research Project	15 credits	In any R&D institution incl. industry
Interdisciplinary Key Qualifications	3 credits	rf. Campus catalogue
Lab	6 credits	1x 6 credit lab
Elective Courses	30 credits	from full department portfolio
Compulsory Courses	36 credits	6 out of topical major catalogue



Majors in M.Sc. EENG and M.Sc. ETIT



University of Stuttgart
Germany

M.Sc. EENG

Electrical
Energy Systems



Elektrische
Energiesysteme

Smart Information
Processing



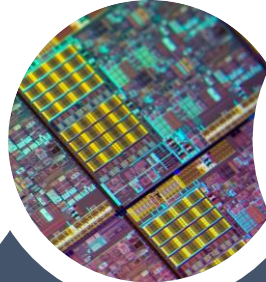
Intelligente
Informations-
verarbeitung

Ubiquitous
Communication
Systems



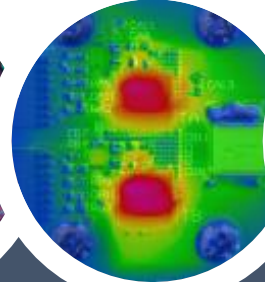
Universelle
Kommunikations-
systems

Nano- and Opto-
Electronics



Nano- und Opto-
elektronik

Power Electronics
Systems and
Technologies



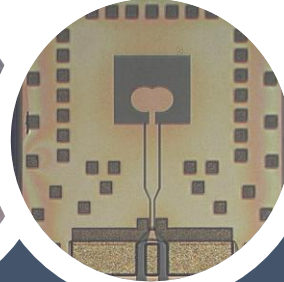
Leistungs-
elektronische Systeme
und Technologien

Smart
Sensors



Intelligente
Sensoren

Electro-Magnetics
Applications



Hochfrequenz-
technik

M.Sc. ETIT

Automatisierungs- und
Regelungstechnik



...and how about the inclusion and connection to industry?

- Many guest lectures from industry can be taken as electives
- Participation in R&D projects with partner companies at the institutes in the frame of student helper contracts
- Field trips, lectures, seminars, conferences a.m.m.
- Study thesis (15 ECTS in M.Sc.) can be performed either at a university institute or in industry, also abroad
- Bachelor- and Master's theses* in the frame of cooperations between the department's institutes and companies are available in Germany and abroad

*The **definition of the content and supervision** of the thesis must be carried out **by a professor from the Department of Electrical Engineering and Information Technology**. Content definition and supervisory approval by a professor in the department must be **obtained before the thesis is started**.

Congratulations, Graduates!



Summer Colloquium with Graduation Ceremony
Alte Reithalle Stuttgart

Embrace the challenge:

Double Master's program Electrical Engineering

in specializations "Communication Systems" or "Electromagnetics and applications"

University of Stuttgart and Vietnamese-German University, Ho Chi Minh City, Vietnam



4-semester double master's program „Electrical Engineering“



2 semesters at University of Stuttgart and 2 semesters at Vietnamese-German University (including Master's thesis)



Teaching language: English

No tuition fees in Vietnam

Funding opportunities

Online meeting for interested students during June, 2025



www.uni-stuttgart.de/vguus



University of Stuttgart

Institute of Robust Power Semiconductor Systems

Thank You!



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fax +49 (0)711 685-58747

University of Stuttgart

Institute of Robust Power Semiconductor Systems

Pfaffenwaldring 47, 70569 Stuttgart, Germany

www.ilh.uni-stuttgart.de



**We look forward to
welcoming you
in Stuttgart!**



**Support for our
international students**

We are here to help you!

INTERNATIONAL OFFICE

Central point of contact for international students

Offers a wide range of services and support for international students, e.g.:

- [Overview: Step-by-step from acceptance letter to your first lecture](#)
- [Pre-departure information](#)
- [Orientation and information offers for new international students](#) (e.g. online info sessions, guidance on formalities, Welcome Day)
- Support programs for international students:
 - [Buddy Program “ready.study.stuttgart” \(arrival support\)](#)
 - [Intercultural Mentoring](#)
 - Peer Mentoring



INTERNATIONAL SERVICE POINT - FACULTY 5

First point of contact for (prospective) international students interested in / enrolled *at Faculty 5: Computer Science, Electrical Engineering & Information Technology*

- Events & networking activities – in close cooperation with the International Office, Student representatives, etc.
- Stay informed! Important news on the [ISP-website](#) & LinkedIn (e.g. on events, German language courses, etc.) and [monthly mailing](#) for Faculty 5 international students



Extensive support for international students at Faculty 5



Personal counseling & support before, during and after your studies by the International Service Point (ISP) of Faculty 5



Guaranteed spots for study-related German language courses (DaF, German as foreign language) for enrolled international students (*for free!*)



Social activities such as semester opening, international days, career planning workshops, buddy/mentoring programs, company visits, welcome packages, and much more!

El Student Council – your fellows



Students representation in ...

- the council of the faculty and senate
- admission and examination panels
- study program commissions

Student Service

- introduction events for new students
- administration of 'Studlab' and lockers
- rental of event equipment

Infopoint

- **general enquiries**
- mailing lists for relevant deadlines, jobs,...
- organization of excursions and workshops

Upcoming events for students starting winter semester 2025/26

Introductory Lecture for M.Sc. EENG (hybrid)	lecture hall 47.03, Pfaffenwaldring 47, Campus Vaihingen / Webex	October 7, 11:30 am CEST
Orientation events - organized by the university's International Office: → Registration will open in summer: https://www.student.uni-stuttgart.de/en/startingout/international/orientation-days/		
Prepare Your Stay	online	May
Pre-Departure Session	online	August / September
Formalities in a nutshell I: health insurance, enrollment, student ID	online	
Formalities in a nutshell II: arrival, accommodation, public transport, radio tax	online	
Formalities in a nutshell III: city registration, residence permit, bank account	online	
FAQ - Formalities in a nutshell	online	
Living in Stuttgart for Newbies (everyday-life in Germany, e.g. health care system, housing rules)	online	
Studying in Stuttgart for Newbies (basics of academic life in Stuttgart, e.g. course registration)	online	
Welcome Day at the university's International Office (IZ)	On site: IZ, Pfaffenwaldring 60, Campus Vaihingen	October



Universität Stuttgart

Faculty 5: Computer Science, Electrical Engineering
and Information Technology



Vielen Dank!

Thank you!



Meta Geisbüsch

[Follow Meta](#)
on LinkedIn

International Service Point (ISP) | Faculty 5

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Website: <https://www.f05.uni-stuttgart.de/en/faculty/international-students/>

University of Stuttgart
Pfaffenwaldring 47
70569 Stuttgart



Laura Busch

[Follow Laura](#)
on LinkedIn