

University of Stuttgart



M.Sc. Electrical Engineering University of Stuttgart

Introductory Lecture Winter Term 2022-23

Ingmar Kallfass

Dean of Studies

E²
M.Sc.

University of Stuttgart

- 24,500 students enrolled at 10 faculties
- 265 full professors
- About 5300 international students from more than 100 countries
- More than 500 partner universities throughout the world
- Head offices and manufacturing sites of global players, such as Bosch, Daimler, Porsche, and IBM
- Industry investment in Research and Development: 2nd place in Europe (Eurostat 2017)



Cultural Highlights

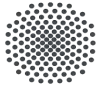


- The castles of the former kings of Württemberg and Europe's biggest zoological and botanical garden
- The Stuttgart Opera – repeated winner of the “Best Opera of the Year”
- The legendary Stuttgart Ballet – founded by John Cranko

Hightech and Innovations - The Stuttgart Region



- Head offices and manufacturing sites of global players, such as Bosch, Daimler, Porsche, and IBM
- Region with the strongest innovation index in Baden-Württemberg (Federal Statistical Office 2020)
- Industry investment in Research and Development: 2nd place in Europe (Eurostat 2017)



Support for managing many issues and when facing problems



Overview: www.student.uni-stuttgart.de/beratung/

Examples:

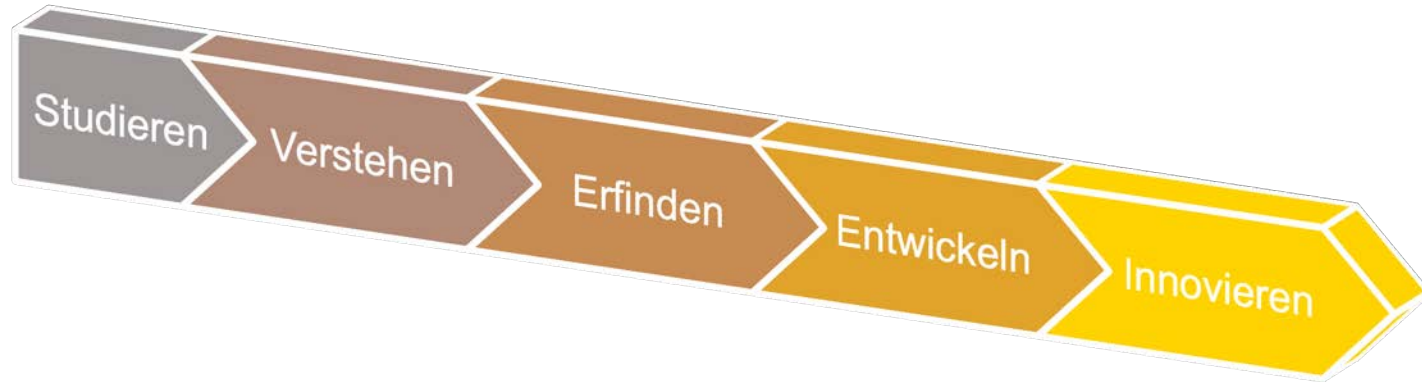
- **Student Counseling Center**
Organizing the study program, reorientation, change of study program, improving study skills, contact point for all unclear issues.
We can also direct you to the relevant institution.
www.uni-stuttgart.de/zsb in Vaihingen: House of Students
- **Students with a disability or chronic illness**
Advice and support to students with disabilities or chronic illnesses concerning all questions ranging from accessibility to organization of the course of studies. Commissioners: Ms Eicken und Ms von Wolff
www.uni-stuttgart.de/studium/beratung/behinderung/
in Vaihingen: House of Students
- **Studying and family**
We are a family-friendly university and support you!
Service Uni & Family, Ms. Alvermann
www.uni-stuttgart.de/studium/beratung/studieren-mit-familie/

Konsumierst du noch oder innovierst du schon?

Mit dem Studieren zum Innovieren

ingenium (lat.) = „sinnreiche Erfindung“ oder „Scharfsinn“

ingénieur (franz.) = „Fachmann auf technischem Gebiet mit theoretischer Ausbildung“



Ziel: ressourceneffiziente, nachhaltige, zuverlässige, kosteneffiziente, leistungsfähige Realisierung technischer Systeme

Milestones of Your University Studies

Tutored Laboratory Courses



Exams



Lectures and Tutorials



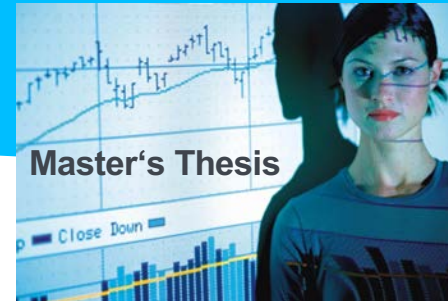
Research Project



Student Jobs „HiWi“



Master's Thesis



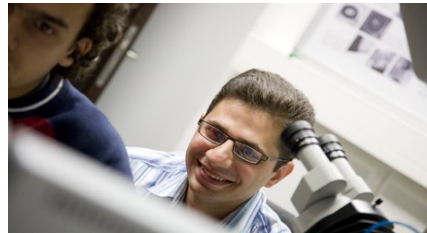
Challenges and Opportunities of University Studies



High Degree of Self-Reliance



Large Range of Electives



Early Integration in Research



Studies Abroad

a.m.m.

DEPARTMENT OF

ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGIES



University of Stuttgart
Germany



IIS Prof. Dr.
Jens Anders



INT Prof. Dr.-Ing.
Manfred Berroth



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



ILEA Prof. Dr.-Ing.
Jörg Roth-Stielow



INÜ Prof. Dr.-Ing.
Stephan ten Brink



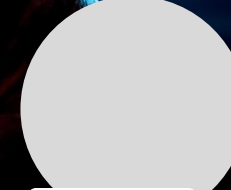
IEH Prof. Dr.-Ing.
Stefan Tenbohlen



IAS Prof. Dr.-Ing.
Michael Weyrich



ISS Prof. Dr.-Ing.
Bin Yang

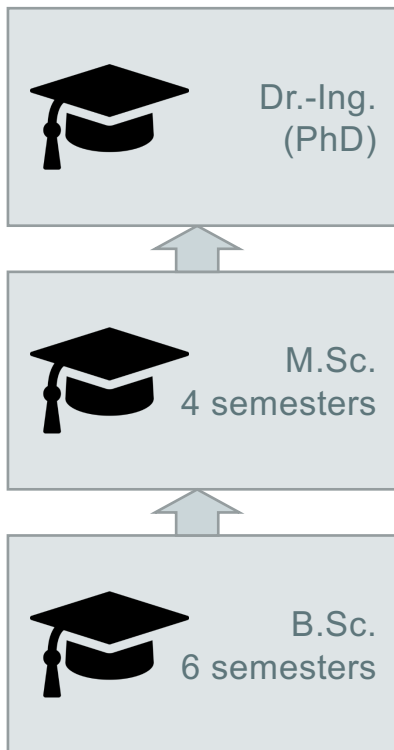


IHT vacant

DEGREE PROGRAMS



University of Stuttgart
Germany



M.Sc. Elektrotechnik und Informationstechnik
M.Sc. Elektromobilität
M.Sc. Nachhaltige Elektrische Energieversorgung
M.Sc. Electrical Engineering
M.Sc. Information Technology

EIT 
EMOB 
NEE 
EENG 
InfoTech 

B.Sc. Elektrotechnik und Informationstechnik

IMPORTANT LINKS

PROF. DR.-ING. INGMAR KALLFASS

DEAN OF STUDIES AND HEAD OF EXAMINATION COMMITTEE

STUDIENDEKAN@EI.UNI-STUTTGAERT.DE

PD DR.-ING. MARKUS GAIDA

STUDY MANAGER

INFO@EI.UNI-STUTTGAERT.DE

DEPARTMENT OF ELECTRICAL ENGINEERING AND INFORMATION
TECHNOLOGY

[HTTP://WWW.F05.UNI-STUTTGAERT.DE/EI/](http://www.f05.uni-stuttgart.de/ei/)

C@MPUS (MODULE DESCRIPTIONS, EXAM REGISTRATION, ...)

[CAMPUS.UNI-STUTTGAERT.DE](http://campus.uni-stuttgart.de)

ILIAS (STUDY MATERIAL)

[ILIAS.UNI-STUTTGAERT.DE](http://ilias.uni-stuttgart.de)

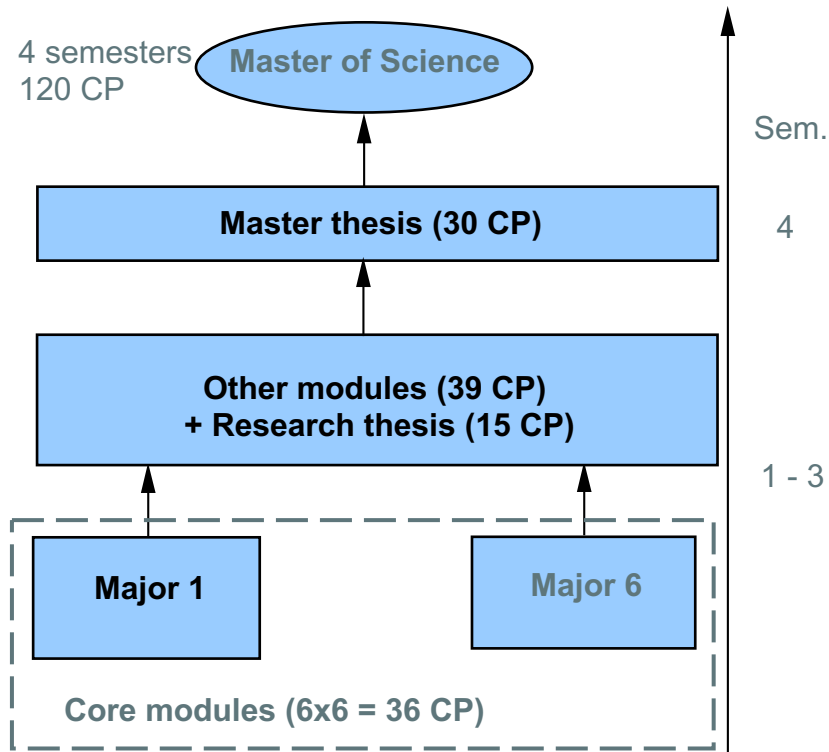


STRUCTURE M.SC. EENG



University of Stuttgart
Germany

| 120 Credits according to ECTS | | |
|--------------------------------------|------------|---|
| Master's Thesis | 30 credits | Typ. 6 months min. 78 credits required to register |
| Research Thesis | 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

Smart Information
Processing



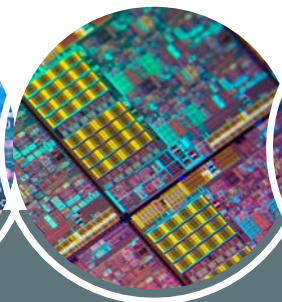
Intelligente
Informations-
verarbeitung

Ubiquitous
Communication
Systems



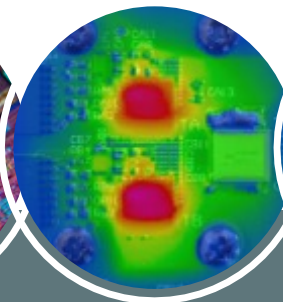
Universelle
Kommunikations-
systems

Nano- and Opto-
Electronics



Nano- und Opto-
elektronik

Power Electronics
Systems and
Technologies



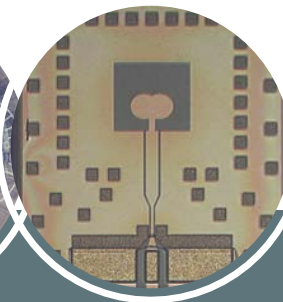
Leistungs-
elektronische Systeme
und Technologien

Smart
Systems



Intelligente
Sensoren

Electro-Magnetics
Applications



Hochfrequenz-
technik

Elektrische
Energiesysteme



M.Sc. ETIT

Automatisierungs- und
Regelungstechnik



ELEKTROTECHNIK UND INFO

MAJOR 1: SMART INFORMATION PROCESSING

RESPONSIBLE PROFESSOR: PROF. DR-ING. BIN YANG



University of Stuttgart
Germany

Smart Information
Processing



| | |
|--|--|
| [-] [992-2019] Electrical Engineering | |
| [-] ▲ [100] Core Modules | |
| [-] ▲ [101] Major Smart Information Processing | |
| + M [21790] Communication Networks Architecture and Design | |
| + M [21820] Statistical and Adaptive Signal Processing | |
| + M [21830] Communications III | |
| + M [21860] Optical Signal Processing | |
| + M [22190] Detection and Pattern Recognition | |
| + M [72200] Information Theory | |
| + M [74670] Communications II | |
| + M [75960] Deep learning | |
| + M [77910] Advanced Mathematics for Signal and Information Processing | |
| + M [79260] Sensor principles and integrated interface circuits | |
| + M [101950] Semiconductor Engineering IV – Intelligent Sensors and Actors (SE IV) | |

MAJOR 2: COMMUNICATION SYSTEMS

RESPONSIBLE PROFESSOR: PROF. DR.-ING. ANDREAS KIRSTÄDTER



University of Stuttgart
Germany

Ubiquitous
Communication
Systems



| | | |
|---|--|-------------|
| [-] [992-2019] Electrical Engineering [book icon] | | |
| [-] ▲ [100] Core Modules [clock icon] [calendar icon] | | |
| [+] ▲ [101] Major Smart Information Processing [clock icon] [calendar icon] | | |
| [-] ▲ [102] Major Communication Systems [clock icon] [calendar icon] | | |
| [+] M [21770] Radio Frequency Technology [clock icon] [calendar icon] | | [book icon] |
| [+] M [21790] Communication Networks Architecture and Design [clock icon] [calendar icon] | | [book icon] |
| [+] M [21820] Statistical and Adaptive Signal Processing [clock icon] [calendar icon] | | [book icon] |
| [+] M [21830] Communications III [clock icon] [calendar icon] | | [book icon] |
| [+] M [21920] Physical Design of Integrated Circuits [clock icon] [calendar icon] | | [book icon] |
| [+] M [35920] Performance Modelling and Simulation [clock icon] [calendar icon] | | [book icon] |
| [+] M [74670] Communications II [clock icon] [calendar icon] | | [book icon] |
| [+] M [77910] Advanced Mathematics for Signal and Information Processing [clock icon] [calendar icon] | | [book icon] |
| [+] M [100320] Mixed-Signal Integrated Circuits [clock icon] [calendar icon] | | [book icon] |

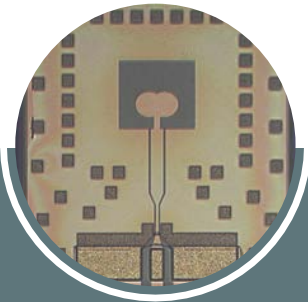
MAJOR 3: ELECTROMAGNETICS APPLICATIONS

RESPONSIBLE PROFESSOR: PROF. DR.-ING. JAN HESSELBARTH



University of Stuttgart
Germany

Electro-Magnetics
Applications



| | |
|--|-----|
| [-] [992-2019] Electrical Engineering [📖] | |
| [-] ▲ [100] Core Modules [🕒] [📅] | |
| [+] ▲ [101] Major Smart Information Processing [🕒] [📅] | |
| [+] ▲ [102] Major Communication Systems [🕒] [📅] | |
| [-] ▲ [103] Major Electromagnetics Applications [🕒] [📅] | |
| [+] [M] [21770] Radio Frequency Technology [🕒] [📅] | [📖] |
| [+] [M] [21830] Communications III [🕒] [📅] | [📖] |
| [+] [M] [21920] Physical Design of Integrated Circuits [🕒] [📅] | [📖] |
| [+] [M] [22190] Detection and Pattern Recognition [🕒] [📅] | [📖] |
| [+] [M] [41650] Optoelectronic Devices and Circuits II [🕒] [📅] | [📖] |
| [+] [M] [68200] Microwave Analog Frontend Design I [🕒] [📅] | [📖] |
| [+] [M] [74670] Communications II [🕒] [📅] | [📖] |
| [+] [M] [74770] RF CMOS [🕒] [📅] | [📖] |
| [+] [M] [77910] Advanced Mathematics for Signal and Information Processing [🕒] [📅] | [📖] |
| [+] [M] [79330] Microwave Engineering [🕒] [📅] | [📖] |

MAJOR 4: SMART SYSTEMS

RESPONSIBLE PROFESSOR: PROF. DR.-ING. JENS ANDERS



University of Stuttgart
Germany

Smart
Systems



| | |
|---|-------------|
| [-] [992-2019] Electrical Engineering [book icon] | |
| [-] ▲ [100] Core Modules [clock icon] [calendar icon] | |
| [+] ▲ [101] Major Smart Information Processing [clock icon] [calendar icon] | |
| [+] ▲ [102] Major Communication Systems [clock icon] [calendar icon] | |
| [+] ▲ [103] Major Electromagnetics Applications [clock icon] [calendar icon] | |
| [-] ▲ [104] Major Smart Systems [clock icon] [calendar icon] | |
| [+] M [21710] Power Electronics II / Leistungselektronik II [clock icon] [calendar icon] | [book icon] |
| [+] M [21770] Radio Frequency Technology [clock icon] [calendar icon] | [book icon] |
| [+] M [22190] Detection and Pattern Recognition [clock icon] [calendar icon] | [book icon] |
| [+] M [56470] Software Engineering for Real-Time Systems [clock icon] [calendar icon] | [book icon] |
| [+] M [58290] Industrial Automation Systems [clock icon] [calendar icon] | [book icon] |
| [+] M [74780] Circuit Design in Nanometer Scaled CMOS [clock icon] [calendar icon] | [book icon] |
| [+] M [77910] Advanced Mathematics for Signal and Information Processing [clock icon] [calendar icon] | [book icon] |
| [+] M [79260] Sensor principles and integrated interface circuits [clock icon] [calendar icon] | [book icon] |
| [+] M [101950] Semiconductor Engineering IV – Intelligent Sensors and Actors (SE IV) [clock icon] [calendar icon] | [book icon] |

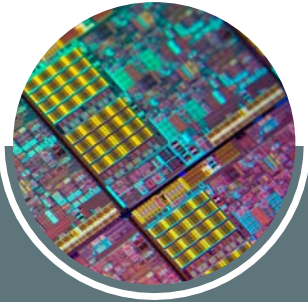
MAJOR 5: NANO AND OPTO ELECTRONICS

RESPONSIBLE PROFESSOR: PROF. DR.-ING. NORBERT FRÜHAUF



University of Stuttgart
Germany

Nano- and Opto-
Electronics



| | |
|--|-----|
| [-] [992-2019] Electrical Engineering [📖] | |
| [-] ▲ [100] Core Modules [🕒] [📅] | |
| [+] ▲ [101] Major Smart Information Processing [🕒] [📅] | |
| [+] ▲ [102] Major Communication Systems [🕒] [📅] | |
| [+] ▲ [103] Major Electromagnetics Applications [🕒] [📅] | |
| [+] ▲ [104] Major Smart Systems [🕒] [📅] | |
| [-] ▲ [105] Major Nano and Opto Electronics [🕒] [📅] | |
| [+] M [21770] Radio Frequency Technology [🕒] [📅] | [📖] |
| [+] M [21860] Optical Signal Processing [🕒] [📅] | [📖] |
| [+] M [21880] Advanced CMOS Devices and Technology [🕒] [📅] | [📖] |
| [+] M [21920] Physical Design of Integrated Circuits [🕒] [📅] | [📖] |
| [+] M [29160] Photovoltaics III [🕒] [📅] | [📖] |
| [+] M [68200] Microwave Analog Frontend Design I [🕒] [📅] | [📖] |
| [+] M [74750] Thin Film Technology [🕒] [📅] | [📖] |
| [+] M [74760] Engineering Materials [🕒] [📅] | [📖] |
| [+] M [100320] Mixed-Signal Integrated Circuits [🕒] [📅] | [📖] |
| [+] M [101910] Quantum Electronics I – Tunneling and Quantum Well Devices (QE I) [🕒] [📅] | [📖] |

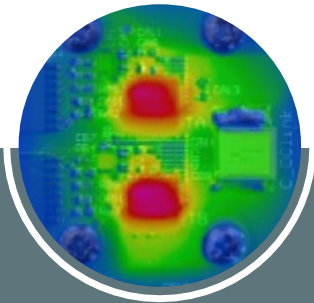
MAJOR 6: POWER-ELECTRONIC SYSTEMS AND TECHNOLOGIES



University of Stuttgart
Germany

RESPONSIBLE PROFESSOR: PROF. DR.-ING. INGMAR KALLFASS





Power Electronics
Systems and
Technologies



| | | | |
|--------------------------|--------------------------|--|--|
| <input type="checkbox"/> | <input type="checkbox"/> | [992-2019] Electrical Engineering | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> ▲ [100] Core Modules | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> ▲ [101] Major Smart Information Processing | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> ▲ [102] Major Communication Systems | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> ▲ [103] Major Electromagnetics Applications | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> ▲ [104] Major Smart Systems | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> ▲ [105] Major Nano and Opto Electronics | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> ▲ [106] Major Power-Electronic Systems and Technologies | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> M [21710] Power Electronics II / Leistungselektronik II | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> M [73410] Applied Numerical Field Computations | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> M [74680] Semiconductor Engineering III - Semiconductor Power Devices (SE III) | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> M [74690] Semiconductor Engineering II - Nano-CMOS Era (SE II) | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> M [74760] Engineering Materials | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> M [74790] Robust Power Semiconductor Systems I | |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> M [79340] Robust Power Semiconductor Systems 2 | |

Program Structure

https://www.uni-stuttgart.de/studium/studienangebot_assets/electrical-engineering/pdf/Studienverlaufsplan_MSc_Electrical_Engineering.pdf

| 1. Term (Winter) | 2. Term (Summer) | 3. Term (Winter) | 4. Term (Summer) |
|--|--|---|---|
| Core Module EENG 1 6 CP | Core Module EENG 3 6 CP | Core Module EENG 5 6 CP | Master Thesis 30 CP |
| Core Module EENG 2 6 CP | Core Module EENG 4 6 CP | Core Module EENG 6 6 CP | |
| Supplementary Module 6 CP | Supplementary Module 6 CP | Supplementary Module 6 CP | |
| Supplementary Module 6 CP | Supplementary Module Key Competences 3 CP | Research Project 15 CP | |
| Supplementary Module 6 CP | Master Lab Course 6 CP | | |
| Sum: 30 CP | Sum: 27 CP | Sum: 33 CP | Sum: 30 CP |
| Total count for credit points (CP): 120 | | | |
| | | | (University of Stuttgart, Version 01.10.2018) |
| Legend: |  : Core Modules |  : Supplementary Modules | |
| |  : Key Competences (non-technical) |  : Master Thesis | |

Major Power Electronic Systems and Technologies

Weekly schedule / Core Modules only (choose 6)

- Winter term

| | Montag, 25.10.2021 | Dienstag, 26.10.2021 | Mittwoch, 27.10.2021 | Donnerstag, 28.10.2021 | Freitag, 29.10.2021 |
|-------|---|--|--|---|---|
| 07:00 | | | | | |
| 08:00 | | | | | Power Electronics II - Exercise PWR 47 - V 47_05 (PF47/EGA) Abhaltung; Übung; |
| 09:00 | | | | | |
| 10:00 | | Power Electronics II - Lecture PWR 09 - V 9_32 (PF09/03/V) Abhaltung; Vorlesung; | Battery modelling and Energy Management - Exercises 4.282 (PF47/04/4.282) | Engineering Materials - Lecture PWR 57 - V 57_06 (PF57/EGA) Abhaltung; Vorlesung; | |
| 11:00 | Robust Power Semiconductor Systems 1 - Lecture PWR 09 - V 9_32 (PF09/03/V) | Engineering Materials - Exercise PWR 09 - V 9_32 (PF09/03/V) Abhaltung; Übung; | | | |
| 12:00 | | | | | |
| 13:00 | | | | | |
| 14:00 | | Battery modelling and Energy Management | | | |
| 15:00 | | Robust Power Semiconductor Systems 1 | | | |
| 16:00 | | | | | |
| 17:00 | | | | | |
| 18:00 | | | | | |
| 19:00 | | | | | |

- Summer term

| | Montag | Dienstag | Mittwoch | Donnerstag | Freitag |
|-------|--|---|---|--|--|
| 07:00 | | | | | |
| 08:00 | | | Semiconductor Engineering III - Semiconductor Power Devices (SE III) - Lecture | | Semiconductor Engineering II - Nano-CMOS Era (SE II) - Exercise Abhaltung; Übung; |
| 09:00 | | | Semiconductor Engineering III - Semiconductor Power Devices (SE III) - Exercise | Robust Power Semiconductor Systems 2 - Exercises Abhaltung; Übung; | |
| 10:00 | | | | | |
| 11:00 | Applied Numerical Field Computations - Lecture with Exercise Abhaltung; Vorlesung mit | | Semiconductor Engineering II - Nano-CMOS Era (SE II) - Lecture Abhaltung; Vorlesung; | | |
| 12:00 | | | | | |
| 13:00 | | | | | |
| 14:00 | | Robust Power Semiconductor Systems 2 - Lecture Abhaltung; Vorlesung; | | Applied Numerical Field Computations - Lecture with Exercise Abhaltung; Vorlesung mit | |
| 15:00 | | | | | |
| 16:00 | | | | | |
| 17:00 | | | | | |
| 18:00 | | | | | |
| 19:00 | | | | | |

+electives
+ labs

Build your individual weekly schedule using Campus
(rf. separate introduction to Campus)

Major Power Electronic Systems and Technologies

Recommended Electives

| | | | |
|---|-----------------|---|----|
| Semiconductor Engineering - Bipolar Technology (SE I) | Michael Oehme | 6 | WS |
| Battery Modeling and Energy Management | Peter Birke | 6 | |
| Physical Design of Integrated Circuits | Manfred Berroth | 6 | SS |
| Software Engineering for Real-Time Systems | Christof Ebert | 6 | WS |

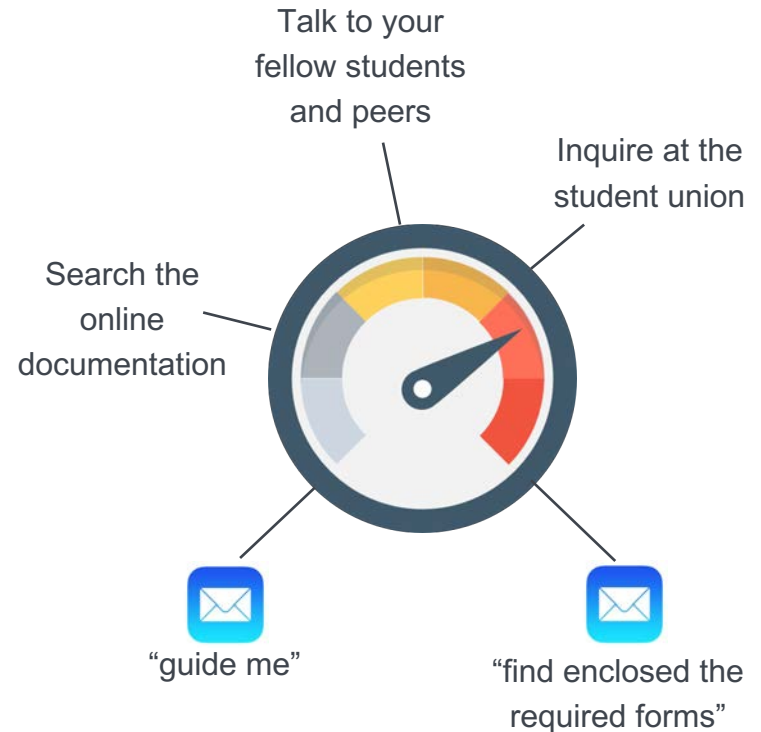
Build your individual knowledge profile using electives

Choose from

- All courses offered in the EIT department and selected associated courses
- Core modules of other majors
- Approved courses from other universities, e.g. in the frame of Erasmus

In Case of Questions / Inquiries / Applications

- General questions on immatriculation, visa, legal issues etc.
 - Contact the admissions office: <https://www.uni-stuttgart.de/en/study/application/admissions-office/>
- Issues concerning the course of studies
 - Contact the Study office of Electrical Engineering and Information Technology: info@ei.uni-stuttgart.de
 - Check out <https://www.f05.uni-stuttgart.de/en/ei/study-programs/> first!
- Applications for recognition of elective courses from other degree programmes, (justified) prolongation of bachelor/master theses, ...
 - Contact the chair of the examination board: pav@ei.uni-stuttgart.de
 - Note: such applications require a justification: <https://www.f05.uni-stuttgart.de/en/ei/department/forms/>



Dean's Lunch

- Meet and discuss with the dean of students over lunch
- Date: Tuesdays, 13:00-14:00, see table below
- Room: ILH meeting room (Pfaffenwaldring 47, ETI1, 1.160)
- Infos will be shared on ILIAS course [Introduction M. Sc. Electrical Engineering](#)
- Sessions

| Session | Focus topics | Date |
|---------|--|------------------|
| 1 | Course registration, weekly schedule, introduction to Campus and ILIAS | Tuesday, Oct. 25 |
| 2 | Exam registration | Tuesday, Nov. 22 |
| 3 | Finding topics and places for research projects and master's thesis | Tuesday, Dec. 13 |



Stays abroad during studies

For students of electrical engineering and information technology there is a wide range of offers for studies and internships abroad.

- All students of the University of Stuttgart can participate in **exchange programs** (in Europe or overseas)
- Application deadlines: about one year **BEFORE** the planned stay abroad
- Funding opportunities

Partner universities of the Department (within Erasmus+)



Contact at the Department: Virginie Herbasch

erasmus@ei.uni-stuttgart.de

Tel: +49 711 67248

Office 4.115, Pfaffenwaldring 47

<https://www.f05.uni-stuttgart.de/en/ei/study-abroad/>

International Office: [https://www.uni-](https://www.uni-stuttgart.de/universitaet/international/service/)

[stuttgart.de/universitaet/international/service/](https://www.uni-stuttgart.de/universitaet/international/service/)



University of Stuttgart
Faculty 5: Computer Science, Electrical Engineering
and Information Technology

SAVE THE DATE

Faculty 5 International Day

November 24, 2022

Organized and hosted by the
International Service Point (ISP) of
Faculty 5

- ✓ Meet internationals and Germans that are as much interested in other cultures as you are.
- ✓ Learn more about your options to study abroad.
- ✓ Prepare yourself for a career start as international in Germany.
- ✓ Discover innovative projects and talk to fascinating researchers from our new partner universities around the world.

With the International Day, we want to bring together international and German students, researchers and other interested members of our faculty and increase the visibility of our faculty's international atmosphere.

Looking forward to seeing you!

Program

01:00-03:00 pm

Auf und davon!

Studienmöglichkeiten im Ausland

Erfahre mehr über Austauschmöglichkeiten im Ausland und lerne aktuelle und ehemalige Austauschstudierende unserer Fakultät kennen. Mit anschließendem Austausch bei Snacks.

Raum: 2.013, Pfaffenwaldring 38 (Informatik)

Sprache: Deutsch/Englisch

Gastgeberin: Virginie Herbasch,
Internationalisierungsbüro Elektro- und
Informationstechnik - *in Kooperation mit
dem International Office.*

03:30-05:30 pm

**Workshop "Germany Career
Kickstarter"**

Virtual workshop on how to plan and
prepare for your career start in Germany.
For international students of Faculty 5 only.

Trainer: Jessica Schüller

Language: English

Registration is mandatory. Please register by
email to: [internationalstudents@f05.uni-
stuttgart.de](mailto:internationalstudents@f05.uni-stuttgart.de).

06:00-06:45 pm

**New Exchange Partner:
Maynooth University, Ireland –
Guest Lecture (tbc)**

Speaker: Dr. John Dooley, Lecturer &
Program Director BE/ME Electronic
Engineering at Maynooth University, Ireland
Platform: Webex (*link will be published in
advance*)

International Service Point Faculty 5

Complementary to the services of the university's
International Office:

- Support and contact point for the faculty's international students
 - Promoting further internationalization at our faculty
 - Events & networking activities for and with international students
- Stay informed! Regularly check our [ISP-Website](#) & [LinkedIn](#) for the latest news
- Registration for additional German language courses from October 10-18, 2022 via [C@MPUS](#)



Meta Geisbüsch, LL.M. & Laura Busch, M.A.

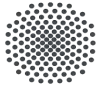
University of Stuttgart

International Service Point (ISP) | Faculty 5

Pfaffenwaldring 47 | Room 4.270

+49 (0)711 685 -67926 / -67277

internationalstudents@f05.uni-stuttgart.de



Tips and counseling for good learning!

- Counseling for individual students and study groups
- Weekly learning tips newsletter
- Workshop:
 - *Learning methods: Preparing for your degree and exams*

Contact: lernberatung@uni-stuttgart.de

More information: www.uni-stuttgart.de/zsb/lernberatung

Know how to learn!

Learning counseling offers

...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**.



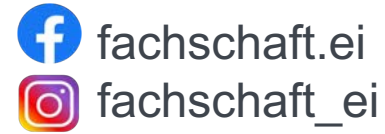
Getting involved as a mentor

Intercultural Mentoring Program

Have you studied at the University of Stuttgart for at least three semesters and do you speak German well? Do you want to interact with international students? Why not join our Intercultural Mentoring Program?

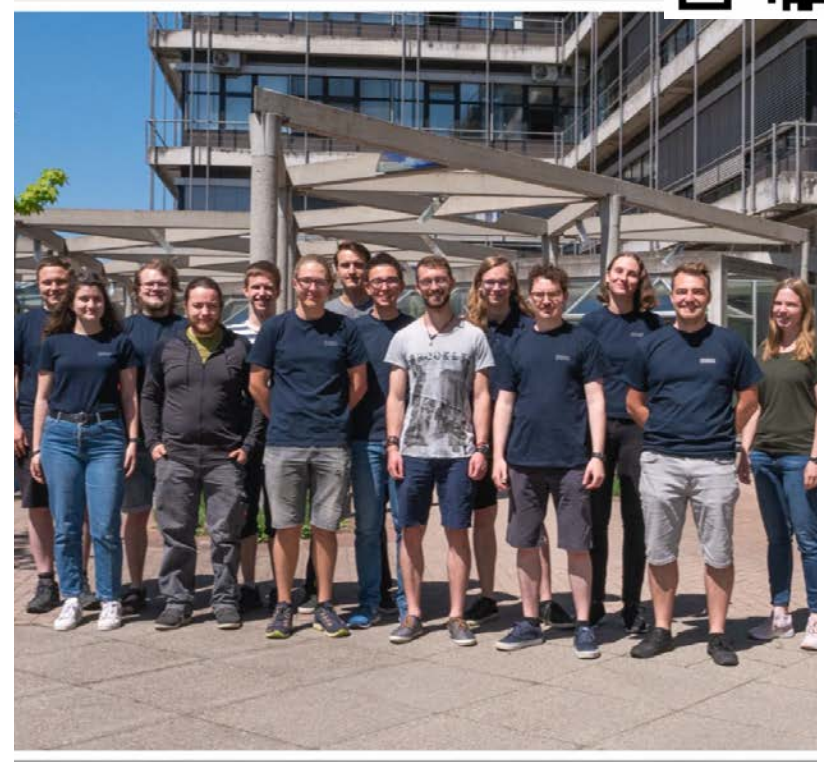
- <https://www.student.uni-stuttgart.de/en/participate/mentoring/>

Electrical Engineering Students Council (so-called „Fachschaft“)



- “Fachschaft” = **association** of all students studying Electrical Engineering or any other program at the Department of Electrical Engineering.

→ simply put 😊: group of student’s that are studying the same thing and want to **voluntarily** help make the whole study experience better and support whoever needs help.
- Activities: representation of interests in university bodies (e.g. Faculty Council), info-point for questions and problems, First Semester Introduction, Party (eMotions), day trips to companies and workshops, etc.
- Great opportunity to meet other (German) students
- <https://www.ei.faveve.uni-stuttgart.de/en/>



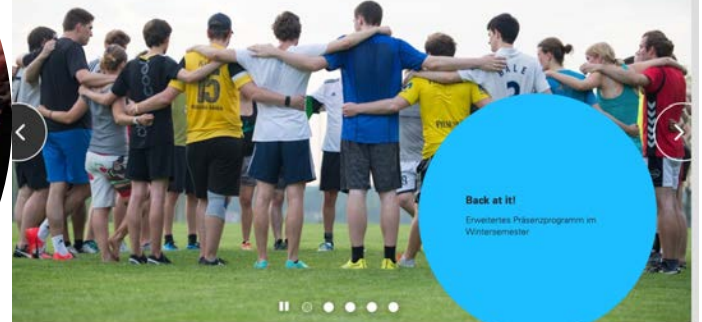
<https://www.unimusik.uni-stuttgart.de>



<https://www.greenteam-stuttgart.de>



<https://www.hochschulsport.uni-stuttgart.de/>



<http://studlab.ei.faveve.uni-stuttgart.de/>



<http://www.emotions-stuttgart.de/>





University of Stuttgart

Institute of Robust Power Semiconductor Systems

Thank You!



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**Viel Erfolg und
eine gute Zeit in
Stuttgart**

