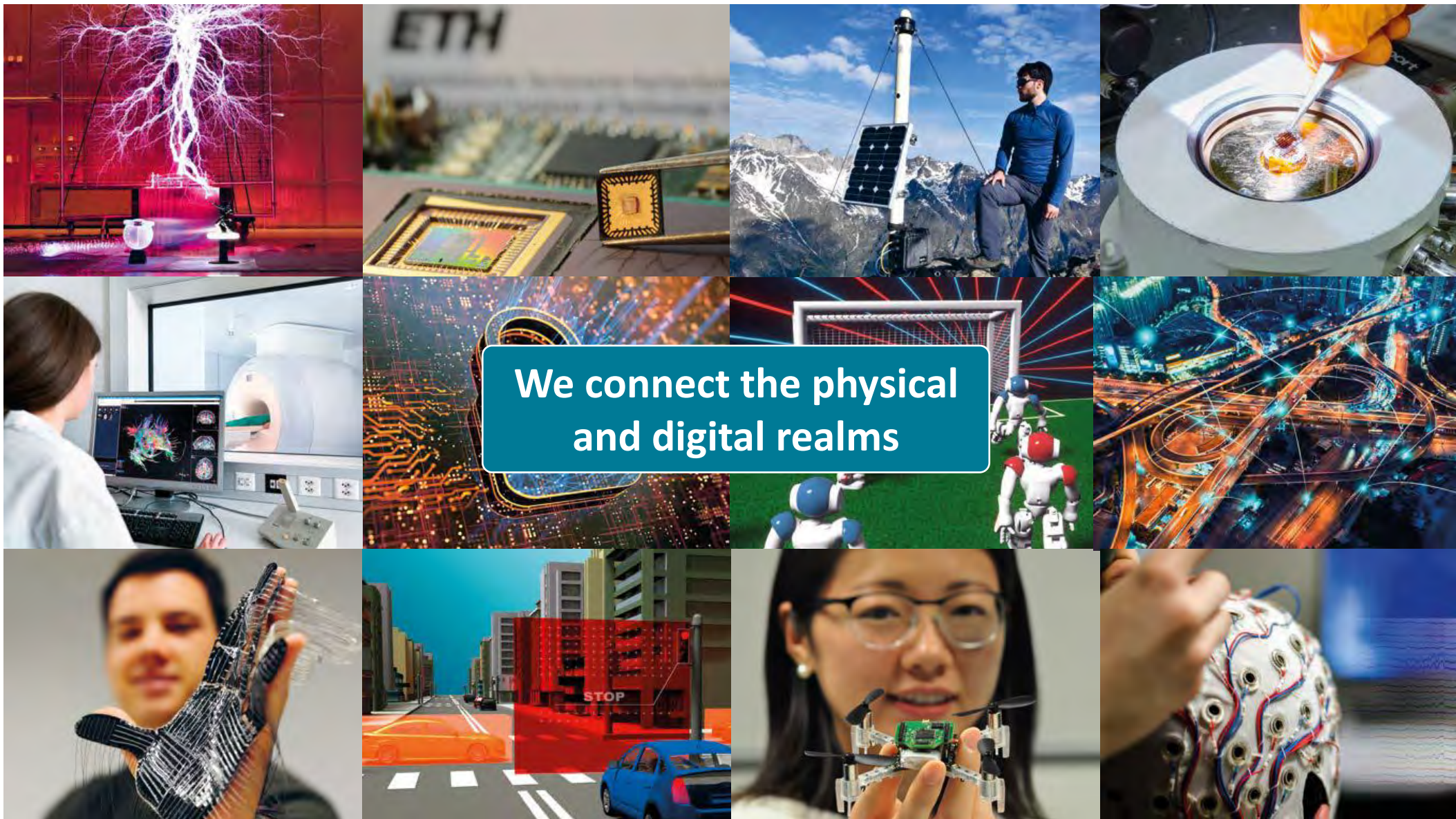




# Master of Science Information Technology and Electrical Engineering

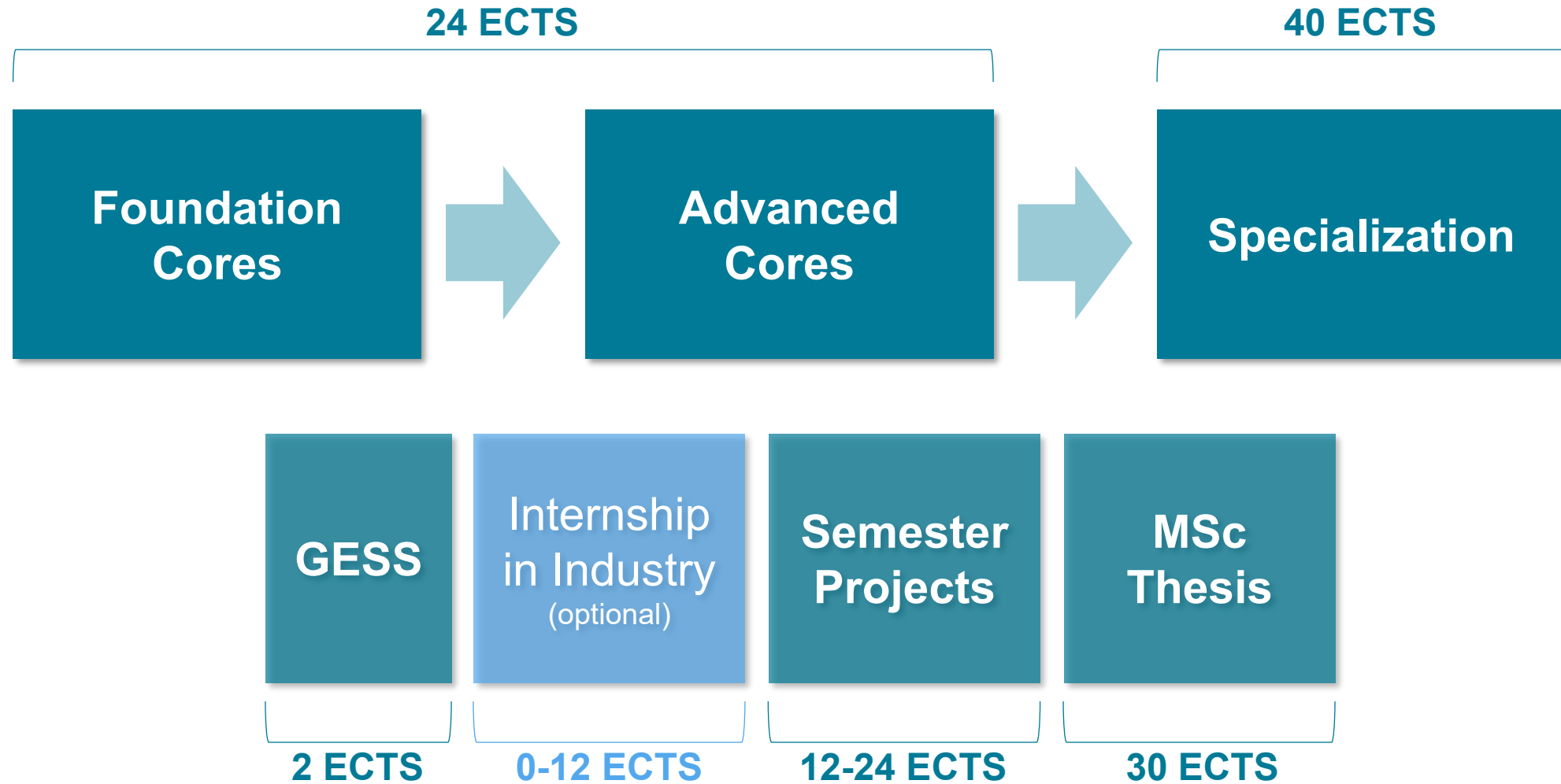
Sebastian Kozerke, Director of Studies D-ITET  
Professor for Biomedical Engineering





We connect the physical  
and digital realms

# Curriculum – Foundation, Advanced, Specialization



# Specializations

**Electronics and  
Photonics**

**Communications**

**Computers and  
Networks**

**Systems and  
Control**

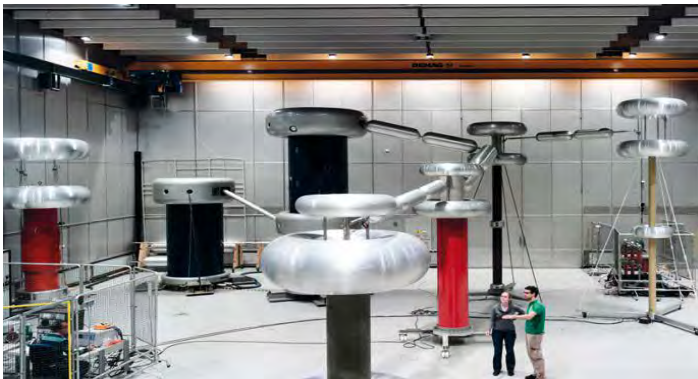
**Energy and Power  
Electronics**

**Signal Processing  
and Machine Learning**

**Interdisciplinary  
Master Programmes**



# Specializations



**Interdisciplinary  
Master Programmes**



# Professors



Prof. Luca Benini



Prof. Jürgen Biela



Prof. Helmut Bölskei



Prof. Colombo Bolognesi



Prof. Florian Dörfler



Prof. Christian M. Franck



Prof. Benjamin Grewe



Prof. Ulrike Grossner



Prof. Richard Hahnloser



Prof. Gabriela Hug



Prof. Giacomo Indiveri



Prof. Taekwang Jang



Prof. Lana Josipovic



Prof. Johann W. Kolar



Prof. Ender Konukoglu



Prof. Sebastian Kozerke



Prof. Amos Lapidot



Prof. Jürg Leuthold



Prof. Hans-Andrea Loeliger



Prof. Mathieu Luisier



Prof. John Lygeros



Prof. Valerio Mante



Prof. Onur Mutlu



Prof. Lukas Novotny



Prof. Mickaël Perrin



Prof. Klaas P. Prüssmann



Prof. Daniel Razansky



Prof. Kaveh Razavi



Prof. Metin Sitti



Prof. Marco Stamparoni



Prof. Klaas Enno Stephan



Prof. Christoph Studer



Prof. Luc Van Gool



Prof. Laurent Vanbever



Prof. János Vörös



Prof. Hua Wang



Prof. Roger P. Wattenhofer



Prof. Vanessa C. Wood



Prof. Mehmet Fatih Yanik



Prof. Maksym Yarema



Prof. Fisher Yu

# Numbers

<b>BSc</b>	ETH D-ITET	10'665 786	<ul style="list-style-type: none"><li>• 41 professors</li><li>• 50+ other lecturers</li><li>• 500+ PhD students</li><li>• Study administration</li><li>• AMIV (incl. LIMES)</li><li>• IT support</li></ul>
<b>MSc</b>	ETH D-ITET Electrical Engineering MSc Biomedical Engineering MSc Energy Science & Technology MSc Quantum Engineering MSc <i>Neural Systems &amp; Comp. MSc (UZH)</i>	8'737 1'031 565 194 105 115 52	
<b>Exchange</b>	ETH D-ITET	386 49	

# Curriculum – Semester Project and Master Thesis

- Check with your tutor about sensible course selections
- For new students, semester projects are a great start
- For those interested in research, more than one semester project is possible
- Pick diverse semester projects and master thesis to gain research insights



# Have a good time!



[kozerke@biomed.ee.ethz.ch](mailto:kozerke@biomed.ee.ethz.ch)

# Contacts / Information for Students of the MSc Electrical Engineering and Information Technology

September 18, 2023

Reto Kreuzer, Coordinator of Studies / Student Advisor, D-ITET



# Agenda

1. Finding the right contact
2. Courses, exams and credits
3. Useful information

# Finding your contacts

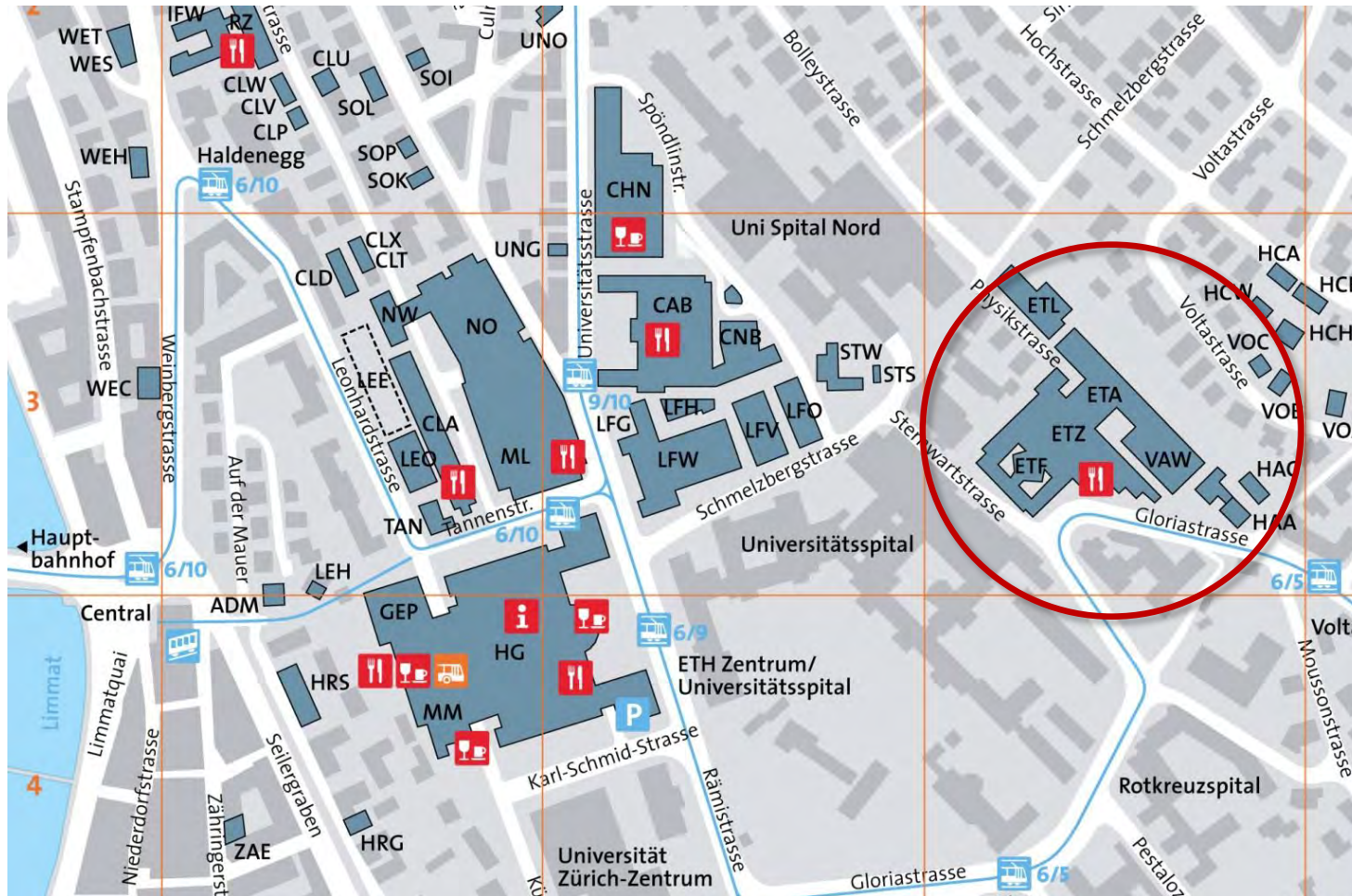
↑  
ETA-Scherrer-  
Hörsaal F 5  
Hörsäle  
E 8 / E 9  
Sitzungsraum  
E 81

→  
Hörsäle  
E 6 / E 7  
Haupttreppe /  
Lifte

←  
ETF-Gebäude  
Hörsäle  
C 1 / E 1



# Map of ETH and D-ITET



# Where do I find information on the web?

- **General Information on studies at ETH**

ETH students' website: [www.ethz.ch/students](http://www.ethz.ch/students)

- **Information on the Master in Electrical Engineering**

D-ITET website: [www.ee.ethz.ch](http://www.ee.ethz.ch) > Studies > Master's Programmes > MSc EEIT

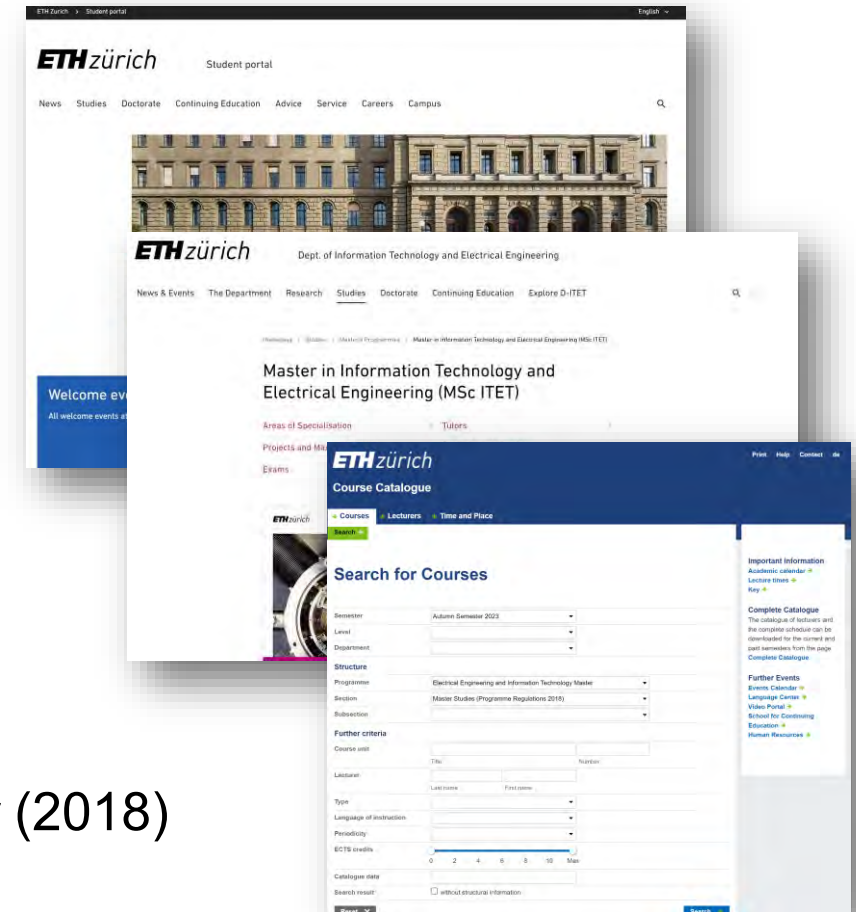
- **Course catalogue**

Online: [www.vvz.ethz.ch](http://www.vvz.ethz.ch) > Programme > Electrical Engineering and Information Technology Master (2018)

- **Messages from ETH and the Department**

Email on your ETH-Address ([username@student.ethz.ch](mailto:username@student.ethz.ch))

→ **check your mailbox regularly and read the messages carefully!**





# Your most important contacts at ETH and the D-ITET

## ETH / Rectorate

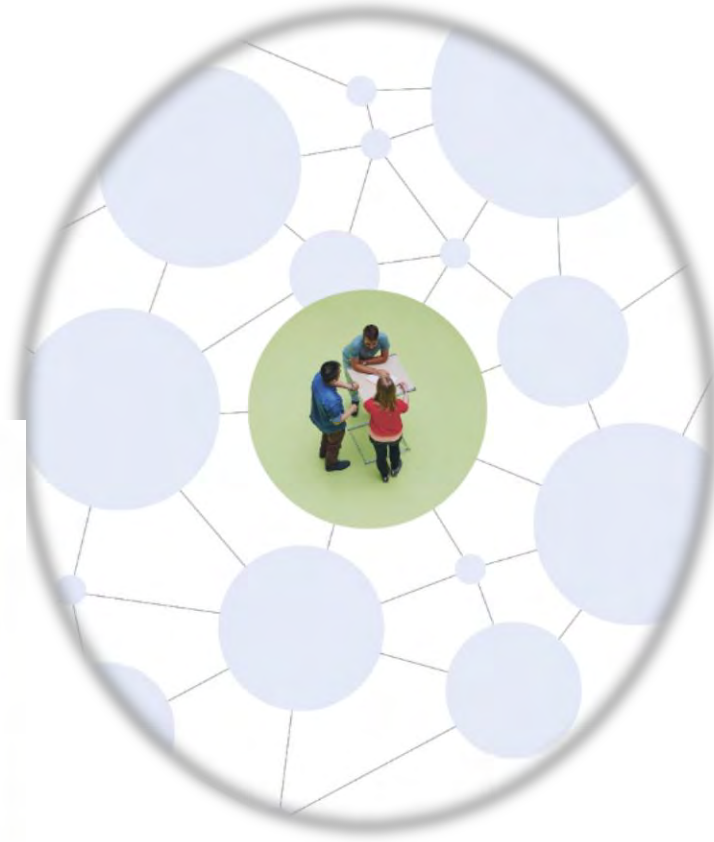
Registrar's Office (HG F 19)

**General administrative questions**  
e.g. matriculation, address changes,  
residence etc.

## Students' association

**AMIV (CAB E 37)**

Social contacts,  
networking



## D-ITET / central services

**Student Admin (ETZ H 85)**

**Study specific admin. questions**  
e.g. grades/transcripts, waivers, counselling

## Tutors / Lecturers / TA

Course specific questions, study plan

# Your contacts at the D-ITET



Prof. Sebastian Kozerke  
Director of studies D-ITET

ETZ F 94  
+41 44 632 53 25  
kozerke@biomed.ee.ethz.ch



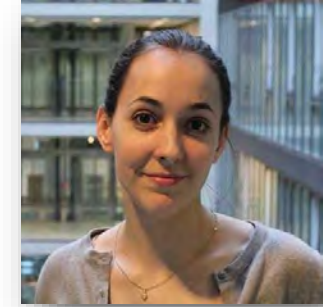
Reto Kreuzer  
Head of Student  
Administration /  
Student advisor

ETZ H 83  
+41 44 632 08 15  
info@ee.ethz.ch



Andrea Salow / Tali Scheiner  
Student Administration

ETZ H 85  
+41 44 632 50 03  
info@ee.ethz.ch



Audrey Djouadi  
Course scheduling /  
Student exchange advisor

ETZ H 87  
+41 44 632 89 57  
info@ee.ethz.ch



$$\int_{\partial V} (\mathbf{E} \times \mathbf{H}) \cdot \mathbf{n} \, d\mathbf{a} + \frac{\partial}{\partial t} \int_V \frac{1}{2} \epsilon_0 \mathbf{E}^2 + \frac{1}{2} \mu_0 \mathbf{H}^2 \, dV$$

$$- \int_V \mathbf{j} \cdot \mathbf{E} \, dV - \frac{1}{2} \int_V \left[ \mathbf{E} \cdot \frac{\partial \mathbf{P}}{\partial t} - \mathbf{P} \cdot \frac{\partial \mathbf{E}}{\partial t} \right] dV - \frac{\mu_0}{2} \int_V \left[ \mathbf{H} \cdot \frac{\partial \mathbf{M}}{\partial t} - \mathbf{M} \cdot \frac{\partial \mathbf{H}}{\partial t} \right] dV$$



$$\oint_V \vec{j} \cdot \vec{n} \, d\mathbf{a} + \frac{\partial}{\partial t} \int_V \rho \, dV = 0 \rightarrow \nabla \cdot \vec{j} + \frac{\partial \rho}{\partial t} = 0$$

$$\vec{E} \cdot \frac{\partial \vec{D}}{\partial t} = \frac{1}{2} \frac{\partial}{\partial t} [\vec{D} \cdot \vec{E}] + \frac{1}{2} \left[ \vec{E} \cdot \frac{\partial \vec{D}}{\partial t} - \vec{D} \cdot \frac{\partial \vec{E}}{\partial t} \right]$$

$$\vec{D} = \epsilon_0 \vec{E} + \vec{P}$$

$$= \frac{1}{2} \frac{\partial}{\partial t} [\vec{D} \cdot \vec{E}] + \frac{1}{2} \left[ \vec{E} \cdot \frac{\partial \vec{P}}{\partial t} - \vec{P} \cdot \frac{\partial \vec{E}}{\partial t} \right]$$



Courses, exams and credits

# The Master's Degree Program (Regulations 2018)

- **Courses** – 3 semesters / between 66 and 78 credits  
See the [course catalogue](#) for the list courses. Each student must find a [tutor](#) by him/herself and submit a tutor agreement in myStudies no later than **four weeks after the beginning of the first semester**. Only core, specialization and elective courses go on the learning agreement.
- **1-2 semester projects** – 14 weeks / 12 credits per project  
14 weeks half-time during the semester – or 7 weeks full-time outside the semester.  
[Project offerings](#) are published on the websites of the individual labs.
- **Internship in Industry** – 3-6 months / 12 credits  
Not mandatory. In a company (not academia) outside ETH Zurich, outside CH-permitted
- **Master Project** – 6 months / 30 credits  
After all else is done, the *masterpiece* of your studies at ETH.



# Core & Specialization Courses (24 + 40 credits)

- The [tutor](#) helps with the selection of courses. These courses permit a specialization in one of our teaching areas (Communications, Computers & Networks, Electronics & Photonics, Energy & Power Electronics, Signal Processing & Machine Learning and Systems & Control)
- **Core courses** (24 credits) **must be from our list of core courses** but can be selected across specializations in agreement with the tutor.
- **Specialization courses** can be **selected freely**, subject to approval by the tutor. See the [course catalog](#) for the list of courses.
- The tutor's **area of research** will influence the choice of courses he/she is willing to accept, **choose your tutor accordingly**.

# Remaining 12 credits – electives, internship or project?

- **Elective courses** (12 credits) are meant to offer the possibility of adding management, economics or law components etc. to the curriculum. A list of recommended courses may be available in the course catalogue. However, the choice is not limited to this, and even more specialization or core courses may be chosen instead. Elective courses are subject to the agreement of the tutor.
- Students can choose a **second semester project** (12 credits) instead of elective courses, we suggest to discuss this with the tutor – even though the choice is not subject to the tutor's agreement – he/she may help deciding what the best curriculum is for you.
- Another alternative is an **internship in industry** (12 credits) that is carried out in a company outside ETH and usually lasts between 3 and 6 months. An extra semester must therefore be counted for an internship. Attention, since the internship is not mandatory non-EU/Swiss citizens may encounter problems getting a work permit.



# Not part of the tutor agreement – Science in Perspective (D-GESS)

Courses from the category of *Science in Perspective* offered by the Department of Humanities, Social and Political Sciences (D-GESS) help you learn to **contextualize** specialized knowledge by:

- putting natural and technical sciences in social, political, economical and cultural contexts;
- understanding global conditions and consequences in terms of action in politics, culture and economy;

Students can choose between **Type A** (general) and **Type B** (specially recommended for your curriculum) courses from the course catalogue, for **language courses**, special rules may apply (see [directives collection](#)).

These courses are **mandatory for all students** at ETH, everyone must earn at least **2 credits** during their Master's Degree studies.

**Contact:** Study Admin D-GESS [studiensekretariat@gess.ethz.ch](mailto:studiensekretariat@gess.ethz.ch) / [www.gess.ethz.ch](http://www.gess.ethz.ch)



# Administrative matters



# Navigating the course catalogue

When looking up courses offered in MSC EEIT, make sure to look for the **2018 regulations**:

The screenshot shows the 'Search for Courses' page on the ETH Zürich website. The interface includes a search bar at the top with a 'Search' button. Below it, there are several filter sections: 'Semester' (set to 'Autumn Semester 2023'), 'Level', 'Department', 'Structure' (with 'Programme' set to 'Electrical Engineering and Information Technology Master' and 'Section' set to 'Master Studies (Programme Regulations 2018)'), and 'Further criteria' (including 'Course unit', 'Lecturer', 'Type', 'Language of instruction', 'Periodicity', and 'ECTS credits'). A 'Search' button is at the bottom right. On the right side, there are links for 'Important Information' (Academic calendar, Lecture times, Key), 'Complete Catalogue', and 'Further Events' (Events Calendar, Language Center, Video Portal, School for Continuing Education, Human Resources). Three red boxes highlight the 'Semester', 'Programme', and 'Section' dropdowns, with arrows pointing to them from the right. The arrows are labeled 'Choose your semester', 'Choose your programme', and 'Choose your regulations' respectively.

Choose your semester

Choose your programme

Choose your regulations

# Choosing courses from the course catalogue

The courses are listed in the course catalogue according to the **areas of specialization** of the D-ITET.

For courses in the upcoming **spring semester** (2024), look at the current year's spring semester courses (2023).

If a new, more suitable course is introduced next spring or in fall 2024, remember that **tutor agreements** can be **changed**.

ETH zürich  
Course Catalogue

Search result: Course units in Autumn Semester 2023

Course units Catalogue data Courses

Electrical Engineering and Information Technology Master  
Master Studies (Programme Regulations 2018)

Track Communication  
The core courses and specialisation courses below are a selection for students who wish to specialise in the area of "Communication", see <https://www.ee.ethz.ch/studies/main-master/areas-of-specialisation.html>.

Core Courses  
These core courses are particularly recommended for the field of "Communication". You may choose core courses from other fields in agreement with your tutor.  
A minimum of 24 credits must be obtained from core courses during the MSc EEIT.

Number	Title	Type	ECTS	Hours	Lecturers
227-0121-00L	Communication Systems	W	6 credits	4G	C. Studer, S. M. Moser
227-0101-00L	Discrete-Time and Statistical Signal Processing	W	6 credits	4G	H. A. Loeliger

Advanced Core Courses  
Fundamentals at bachelor level, for master students who need to strengthen or refresh their background in the area.

Number	Title	Type	ECTS	Hours	Lecturers
227-0301-00L	Optical Communication Fundamentals	W	6 credits	2V + 1U + 1P	J. Leuthold
227-0417-00L	Information Theory I	W	6 credits	4G	A. Lapidoth

Specialisation Courses  
These specialisation courses are particularly recommended for the area of "Communication", but you are free to choose courses from any other field in agreement with your tutor.  
A minimum of 40 credits must be obtained from specialisation courses during the Master's Programme.

Number	Title	Type	ECTS	Hours	Lecturers
227-0102-00L	Discrete Event Systems	W	6 credits	4G	L. Josipovic, L. Vanbever, R. Wattenhofer
227-0103-00L	Control Systems	W	6 credits	2V + 2U	F. Dörfler
227-0116-00L	VLSI 1: HDL Based Design for FPGAs	W	6 credits	5G	F. K. Gürkaynak, L. Benini
227-0147-10L	VLSI 3: Full-Custom Digital Circuit Design	W	6 credits	2V + 3U	C. Studer, O. Castañeda Fernández

Choose **core** courses

Choose **specialization** courses

# Navigating the course catalogue – details on lectures / exercises

The course catalogue contains information regarding the **teaching mode**.

Additional information will be sent to the **enrolled students by E-Mail**.

Please **contact the lecturers** for more details.

The screenshot shows the ETH Zürich Course Catalogue interface. The 'Courses' tab is selected in the top navigation bar. The course '227-0301-00L Optical Communication Fundamentals' is displayed. Below the course details, a table lists the teaching mode and rooms. The 'Teaching mode' column is highlighted with a red box, and the 'Rooms' column is also highlighted with a red box. The 'Find rooms' label points to the 'Rooms' column.

Select a course

Select "Courses" tab

Find out about teaching mode

Find rooms

Number	Title	Hours	Rooms	Lecturers
227-0301-00 V	Optical Communication Fundamentals	2 hrs	Tue 14:15-16:00 ETZ K 91	J. Leuthold
227-0301-00 U	Optical Communication Fundamentals	1 hrs	Tue 16:15-17:00 ETZ K 91	J. Leuthold
227-0301-00 P	Optical Communication Fundamentals	1 hrs	Tue 17:15-18:00 ETZ K 91	J. Leuthold



# myStudies – How to?

Watch the Video on "MyStudies: Semester Enrolment & Course Registration" published under [www.ethz.ch/how-to-eth](http://www.ethz.ch/how-to-eth)

The screenshot shows the myStudies website interface. At the top, the ETH zürich logo and 'myStudies' text are on the left. On the right, there are links for 'Print', 'Help' (highlighted with a red box), 'Contact', and 'de' (highlighted with a red box). An arrow points from the 'de' link to the text 'Choose language'. Another arrow points from the 'Help' link to the text 'Get Help'. Below the header, the 'Login' section prompts users to use their ETH Zurich account with a 'Start' button. A cookie consent message follows. The 'Registration for Special Students and auditors' section provides information for those wishing to attend public ETH courses, including a 'register' link and a list of groups that must register. A note mentions that incoming ETH Zurich doctoral students must register with the Doctoral Administration Office. A deadline for Autumn Semester 2022 (2 October 2022) is stated, followed by a 'Register' button. On the right side, there are two boxes: 'Online help' with instructions to click the Help link, and 'Useful links' with a list of links: Continuing education, Doctoral students, Special students and auditors, and Students.

ETH zürich  
myStudies

Print **Help** Contact **de**

**Login**

Use your ETH Zurich account.

**Start**

Allow your browser to use cookies. Close myStudies by clicking on "Logout" and close all browser windows before leaving this computer.

**Registration for Special Students and auditors**

Persons who wish to attend public ETH courses regularly should [register](#) at ETH Zurich.

The following groups must register here:

1. Students and doctoral students of the
  - Universität Zürich
2. Members of ETH Zurich (employees and teaching staff)

Please note: incoming ETH Zurich doctoral students may never register as auditors; they must register with the [Doctoral Administration Office](#).

Deadline for Autumn Semester 2022: 2 October 2022

**Register**

**Online help**  
If you need assistance click on the Help link in the top right-hand corner of this webpage.

**Useful links**

- [Continuing education](#)
- [Doctoral students](#)
- [Special students and auditors](#)
- [Students](#)

Choose language

Get Help

# Choosing a tutor in myStudies

Navigate to *Functions* in your myStudies account and choose *Select Tutor*

The screenshot shows the myStudies interface for a user named Christof Vdini. The main navigation bar includes the myStudies logo, the user's name, and a 'Logout' button. Below the navigation bar, there are links for 'JSP: rtdmatrikulation.jsp', 'Print', 'Help', 'Contact', and 'de'. The main content area is divided into two sections. The left section, titled 'Study programme: Electrical Engin. + Info', contains links for 'Current semester', 'Deadline', 'Master degree', 'Programme', 'Tutor', 'Learning Units', 'Performance Assessments', and 'Contact'. The right section, titled 'Select tutor', contains a 'Degree programme' dropdown menu set to 'Electrical Engin. + Information Technology MSc'. Below this, there is a table of lecturers found. An arrow points to the first lecturer, Gabriele Blau, in the list.

Last name	First name	Title	Organisational unit
<input type="radio"/> Blau	Gabriele	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Botnar	Roman Emanuel Friedric	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Catayade	Roger	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Dallenbach	Munel Barbara	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Ducrot	Roger Norbert Albert	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Gotsch	Nuria	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Hahnloser	Richard Hans Robert	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Heldstab	Thomas	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Hiltbrunner	Patrick	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Imhof	Dominique	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Immler	Daniel Patrick	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Imthum	Patrick Oliver	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Kromenber	Urs Patrick	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Law	Stefan	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Le Ferrand	Nicola Fadi	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Leiber	Melchior	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Lohle	Othmar	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Malina	Peter	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Matousek	Peter Werner	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Moser	Michal Filip	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Nyfeler	Felix	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Raikov	Alexis	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Resch	Sandro Jurg	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Raymond	Judith Maria	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Ribaud	Bahram	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Schneebeli	Rolf	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Seidel	Hermann	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Stockli	Christoph Albert	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Thoni	Peter Arnold	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Valsson	Piero	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Waerber	Ronald Konin	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Wyrsch	Ladislav	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Zhang	Nois	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/> Zumsteg	Tiber	Prof. Dr.	Informationstechnologie und Elektrotechnik

Choose your tutor from the list of available tutors, he/she will have to **confirm** in order to make your choice effective.

Discuss your choice with the proposed tutor **before** submitting it in myStudies.

# Create learning agreement in myStudies

The **Tutor Agreement** is called "Learning Agreement" in myStudies, select this from the "Matriculation" page, you are now able to select courses from the course catalogue, by using the "Edit" button.

**myStudies** Christof Vadini (19-953-041) [ Akademische Dienste ] Logout X

**ETH zürich** [JSP: /showLearningAgreement.jsp] | Print | Help | Contact | de

Welcome > Study programme > Display Learning Agreement

### Learning Agreement of Christof Vadini (In process)

**Programme regulations** Master's Programme in Electrical Engineering and Information Technology  
**Tutor** missing

**Programme Information** - close

The student has to discuss the Learning Agreement (also known as "Tutor Agreement") with the tutor/track advisor before submitting it in myStudies. The Learning Agreement must be submitted in myStudies and approved by the tutor/track advisor no later than 4 weeks after the start of program (usually the fall semester).  
The Learning Agreement can be updated during the study period, but needs to be in the final version before the start of the Master thesis.  
Semester Projects, Internships in Industry, GESS Science in Perspective and the Master's Thesis are not part of the Learning Agreement.

- close

**Course** ☐ Not registered ☒ Registered ☐ Passed ☐ Repetition failed ☐ No more available  
**Sem** Semester A: Autumn Semester S: Spring Semester  
**Completion of mandatory courses** Declare how mandatory courses will be or have been completed: **Yes:** In this programme **Bachelor:** In the Bachelor or another ETH programme **Other university:** At another university  
**Not regular** No: Not planned in this programme  
Category assignment differs from that in the Course Catalogue.  
**Changes** **New:** Newly added, **Moved:** Moved to another category, **Modified:** Text modified, for external course units only.

Category	Number	Course	Title	Sem	ECTS credits			Completion of mandatory course	Not regular	Changes
					Planned	Needed	Missing			
Core Courses					0	24	24			
Specialisation Courses					0	40	40			
Electives					0	0				

Delete →

← Back Edit → Submit →

**Note:** you must submit a tutor agreement for the **complete duration** of your studies, changes are possible in agreement with the tutor.



# Edit and submit a learning agreement

Once **all the courses** you wish to enrol for during the upcoming year are entered, your learning agreement is ready for discussion with your tutor.

**Note:** the learning agreement can only be submitted if you have a tutor. If you do not, an error warning (see picture) will appear.

The screenshot shows the 'myStudies' interface for editing a learning agreement. The user is Christof Vadini (19-953-041) in the 'Akademische Dienste' section. The page title is 'Edit Learning Agreement'. The sidebar on the left lists course categories and numbers: Core Courses (227-0104-00L to 227-0125-00L), Specialisation Courses (227-0468-00L to 227-0622-00L), Electives (227-0438-00L), and Courses with no category (227-0434-10L). The main area shows the 'Learning Agreement of Christof Vadini (In process)'. An error message is displayed: 'Error: The Learning Agreement can only be submitted when a tutor has been definitively assigned.' Below this, the 'Programme regulations' and 'Programme Information' sections are visible. The 'Course' section shows a table of courses with their completion status. The 'Submit' button at the bottom right is highlighted with a red box.

Course	Sem	ECTS credits	Planned	Needed	Missing	Completion of mandatory course	Not regular	Changes
Core Courses			0	24	24			
Specialisation Courses			12	40	28			
227-0468-00L	A	6						
227-0552-00L	A	6						
Electives			0	0				
Courses with no category								
252-0535-00L	A	10					X	
227-0447-00L	A	6					X	

# myStudies: Change learning agreement

In the following cases, you may be invited to change the learning agreement **by the tutor**:

- You have not discussed your learning agreement before submitting it (and the tutor requires you to change it).
- The initial tutor agreement must be changed for any reason at a later point in time (with the agreement of the tutor).

myStudies Christof Vadini (19-063-041) [Akademische Dienste] Logout

ETH zürich [JSP: showLearningAgreement.jsp] Print Help Contact de

Welcome Study programme Ready Learning Agreement

### Learning Agreement of Christof Vadini (Changes requested by tutor)

Programme regulations Master's Programme in Electrical Engineering and Information Technology  
Tutor Prof. Dr. G. Blau

Changes required G. Blau (test.dozent@rektorat.ethz.ch) - 16.09.2022 10:34  
as discussed in my office earlier today

Programme Information close

The student has to discuss the Learning Agreement (also known as "Tutor Agreement") with the tutor/track advisor before submitting it in myStudies. The Learning Agreement must be submitted in myStudies and approved by the tutor/track advisor no later than 4 weeks after the start of program (usually the fall semester). The Learning Agreement can be updated during the study period, but needs to be in the final version before the start of the Master thesis. Semester Projects, Internships in Industry, GESS Science in Perspective and the Master's Thesis are not part of the Learning Agreement.

close

Course ☐ Not registered ☒ Registered ☒ Passed ☒ Repetition failed ☒ No more available  
Sem Semester A: Autumn Semester S: Spring Semester  
Completion of mandatory courses Declare how mandatory courses will be or have been completed. Yes: In this programme Bachelor. In the Bachelor or another ETH programme Other university. At another university. No: Not planned in this programme.  
Not regular Category assignment differs from that in the Course Catalogue.  
Changes New: Newly added, Moved: Moved to another category, Modified: Text modified, for external course units only.

Category	Number	Course	Title	Sem	ECTS credits	Planned	Needed	Missing	Completion of mandatory course	Not regular	Changes
Core Courses						27	24				
	227-0104-00L	<input type="radio"/>	Communication and Detection Theory	S	6						
	227-2210-00L	<input type="radio"/>	Computer Architecture	A	8						
	227-0579-00L	<input type="radio"/>	Hardware Security	A	7						
	227-0125-00L	<input type="radio"/>	Optics and Photonics	S	6						
Specialisation Courses						41	40				
	227-0468-00L	<input type="radio"/>	Analog Signal Processing and Filtering	A	6						
	227-0622-00L	<input type="radio"/>	Applications of Thermal Modeling: From Hot Atoms to Heated Tissues	S	4						
	227-0602-00L	<input type="radio"/>	Maxwell, Einstein, and the GPS	A	6						
	227-0662-10L	<input type="radio"/>	Organic and Nanostructured Optics and Electronics (Project)	S	3						
	252-0626-00L	<input type="radio"/>	Statistical Learning Theory	S	8						
	227-0664-00L	<input type="radio"/>	Technology and Policy of Electrical Energy Storage	S	3						
	227-0455-00L	<input type="radio"/>	Terahertz: Technology and Applications	S	5						
	227-0438-00L	<input type="radio"/>	Wireless Communications	S	6						
Electives						0	0				

Back Edit Submit

# Submitting a tutor agreement – best practice

Tutor agreement forms are submitted in myStudies. However, for the sake of simplicity, we suggest the following approach:

1. If you do not have a tutor yet, decide which professors' research areas best fit your study interests (see the [D-ITET website](#)).
2. Put together a list of courses in a *tentative learning agreement* form without submitting it. Print this list out and/or take your computer to the meeting.
3. Meet the potential tutor and discuss your choice of courses.
4. If you and the tutor agree to a list – and only then – select your tutor in myStudies, wait for confirmation and then *formally* submit the list of courses agreed upon during the discussion with your tutor.

In any case, please make sure to **ask your tutor** for his/her favorite way of handling the learning agreement process.



# MyStudies – do not forget to...

## Register for courses and exams

- Register for each semester until the end of the second week
- Register for **courses** early in the semester; you need to be registered for a course to enroll for an exam
- Submit the **tutor agreement** – until the **end of the 4<sup>th</sup> week** of the semester
- Enroll for **exams** – enroll during the **3<sup>rd</sup> and 4<sup>th</sup> week** of the semester, withdrawal possible until very late

## Notify us of your address changes

## Read your E-Mails!

# Enrolling for courses

- All courses you wish to **count** towards your Master **Diploma** must be **enrolled** for (both the course and the exam);
- Only **courses agreed upon** by your **tutor** will count for the degree, other courses go on a separate sheet, attached to the final transcript.
- In particular, do not forget to enroll for the **Semester Projects** and the **Master Thesis** (special section in myStudies "Projects/Papers/Theses).

Note the **list of possible supervisors** on our [website](#): **only** professors of the D-ITET or associated professors can officially supervise projects and theses.

# Performance Assessments

Watch the Video on "Exams at ETH: Types, Registration & Deadlines" published under [www.ethz.ch/how-to-eth](http://www.ethz.ch/how-to-eth)

- There are 3 types of performance assessments
  - **Session examination** – Winter session: January/February – Summer session: August, **Attention to registration/deregistration deadlines**
  - **End-of-semester examination** – 2 weeks before end of lectures until 2 weeks after end of lectures, **Attention to registration/deregistration deadlines**
  - Graded/ungraded **semester performance** – e.g., semester project or internship in industry, courses with performance assessment during semester, **Attention min./max. allowed time/deadlines**
- Passed exams **cannot be re-taken**, you can **re-sit a failed exam once**
- **Special rules may apply** regarding allowed (written) aids see the course catalogue – under *Performance assessment* –, look at your **personal exam schedule** in myStudies for session exams, and make sure to ask your lecturer/examiner



# Your studies are subject to regulation

- **Study regulations** (mostly available in German only)  
[www.rechtssammlung.ethz.ch](http://www.rechtssammlung.ethz.ch) (complete collection, German)  
[www.ee.ethz.ch](http://www.ee.ethz.ch) > Studies > Forms and Documents (MSc EEIT regulations in English)
- **Rector's Directives** (some available in German only)  
[www.ethz.ch/students](http://www.ethz.ch/students) > Studies > Legal basis > Directives Collection
- **Questions?**  
International students, please contact the [international student support](#) or the [D-ITET study administration](#) for help on regulations.



Useful information

# Counselling at ETH and the D-ITET

- Course selection ? → your tutor
- Studies at D-ITET, incl. deadlines, failures at examinations etc. ? → coordinator of studies
- General questions regarding your arrival at ETH ? → [international student](#) office
- Time management / motivation ? → [ETH student coaching](#)
- Difficult phases / personal problems ? → [psychological counselling service](#) (free of charge and confidential)



# Computer infrastructure at ETHZ / D-ITET

- All public ETH-computers, e.g., Main Building HG D 11, or ET-Building ETZ D 61.1, require your **n.ethz** password, same as used for myStudies
- Only ITET students can access the computer infrastructure in the ET-building area, should you encounter a problem, contact D-ITET IT-support
- [Project Neptune](#) – during a short period (until October 3), laptops and tablet computers may be purchased through ETH at interesting prices
- [IDES](#) – ETH also offers software at very low cost, some products even for free.  
Remember: the use of non-licensed software is forbidden and subject to prosecution!

IT-support at D-ITET – <https://infoposter.ee.ethz.ch>



## IT related information

## ISG Website

## The team, services & support

## ISG Apps

## Helpful applications

## ISG Brochure

## Introductory brochure

## Computing Wiki

## User's handbook

## Student Computer Rooms

Where, reservation

## ISG Service Status Page

## Up-to-date service status

# DISCOVER D-ITET AND ITS IT SERVICES



## D-ITET related information

## D-ITET

The department website

P & S

## Registration for projects & seminars

FPApp

## Registration for lab courses

**Student Administration Office**

### Administrative support

Microelectronics Design Centre

## Design tools, know-how

## Project-based Learning (PBL)

## Projects and hands-on practice

## Facility Services

## Services for ETZ, ETL, ETF, ETA and GLC



**7 November 2023**  
**16.00–19.00**

**ETH Library**  
**InfoCenter**  
**Rämistrasse 101, HG**

- Get prepared to stay on time with your studies and your Master's thesis
- **Know where to find help** before the workload peaks
- Meet your peers, expand your **network**
- Enjoy **impro theatre** and a **free drink**

More information at:  
[library.ethz.ch/rock-your-masters](https://library.ethz.ch/rock-your-masters)



# Code of conduct

« At D-ITET, we maintain an inclusive, open and friendly environment, where our students, employees and faculty can thrive and achieve their highest potential, based on mutual respect. To preserve this cordial environment, we do not tolerate misbehavior of any kind, including threats, violence, bullying, sexual harassment, discrimination, or dishonesty in study and in research. »

Prof. Jürg Leuthold, Head of Department

## Further information on the Web:

- Our principles
- What is “inappropriate behavior”?
- How to react?
- Contacts / support



# More details?

- **My Office**

Reto Kreuzer, Study Coordinator D-ITET, ETZ H 83

Please send an E-mail to fix an appointment ([info@ee.ethz.ch](mailto:info@ee.ethz.ch))

- **This presentation**

Available tomorrow morning on [www.ee.ethz.ch](http://www.ee.ethz.ch) > Studies > Forms and Documents

# Enjoy your studies at ETH!





Zürich, September 18<sup>th</sup> 2023

amiv

Welcome Day







High School Politics



Events

**What we do**



Study Documents





High School Politics

# Representation of students' interests

Questions or complaints to  
[info@amiv.ethz.ch](mailto:info@amiv.ethz.ch)



# Offers and Activities

- Theater
- Poker- / Jass tournament
- Sushi-Night
- Graduationparty
- Skiweekend
- Lasertag
- Beachvolleyball tournament

## Events





Quick Filter



Select department and semester

RESET

Department



Semester



D-ITET	1	2	3	4	5+
D-MAVT	1	2	3	4	5+
other	1	2	3	4	5+

Study Documents

[amiv.ethz.ch](https://amiv.ethz.ch)

More than 1000 summaries,  
old exams, etc.



Oral exams

Written recollections of  
oral exams

extremely useful when  
preparing for an exam

Oral exams?

Find protocols on  
the amiv website!

Submit one yourself  
and get a cash reward.  
More information on  
[amiv.ethz.ch](https://amiv.ethz.ch)



amiv

vsoeth

Fachverein  
Verband der  
Studierenden  
an der ETH

# Lounge



- Coffee machine
- Beer vending machine
- Table football
- Billiard table
- Mate tea machine

- Couches
- TV with game console
- microwaves





# AMIV committees



Bastli

LIMES

WOMEN\* IN ELECTRICAL  
AND MECHANICAL ENGINEERING  
AT ETH ZURICH

blitz

die Fachzeitschrift des amiv an der  
ETH



eeStec

ELECTRICAL ENGINEERING STUDENTS'  
EUROPEAN ASSOCIATION



# AMIV Kontakt.23:

## The Job Fair for Engineers!

**CLA & LEE Buildings**  
**10. & 11.10.2023, 11:00–17:00**



57 companies  
2 days  
Free CV-checks  
Free photo shoots  
Presentations &  
Workshops



## AMIV Kontakt.23:

**Presentations and Workshops  
with free Apéros!**

**Lateral entry into Software Engineering**

**Tuesday, 27.09.2023, 18:15, HG E 5**

**Career Misconceptions**

**Thursday, 04.10.2023, 17:15, HG E 5**

**Register on [amiv.ethz.ch/events](https://amiv.ethz.ch/events)**



# Join?

**veth**  
member

Teams

Board member

## Voluntary contributions for the Autumn Semester 2019

Note: If membership is selected, the personal and address data required for member administration and other club activities will be forwarded to the respective club.

	Yes	No
<a href="#">Solidarity fund</a> for foreign students (CHF 5.-)	<input checked="" type="radio"/>	<input type="radio"/>
<a href="#">SOSETH</a> membership (CHF 5.-)	<input checked="" type="radio"/>	<input type="radio"/>
<a href="#">VSETH</a> membership (CHF 10.-; for doctoral students CHF 35.-)	<input checked="" type="radio"/>	<input type="radio"/>
		<input type="button" value="Save"/>



- 1 **Ersti-Apéro**  
Today from 1 pm  
CAB building
- 2 **Ersti-Rallye**  
Wednesday, Sep 20
- 3 **Masterweekend**  
Sign-up today 6pm  
Sep 29 – Oct 1



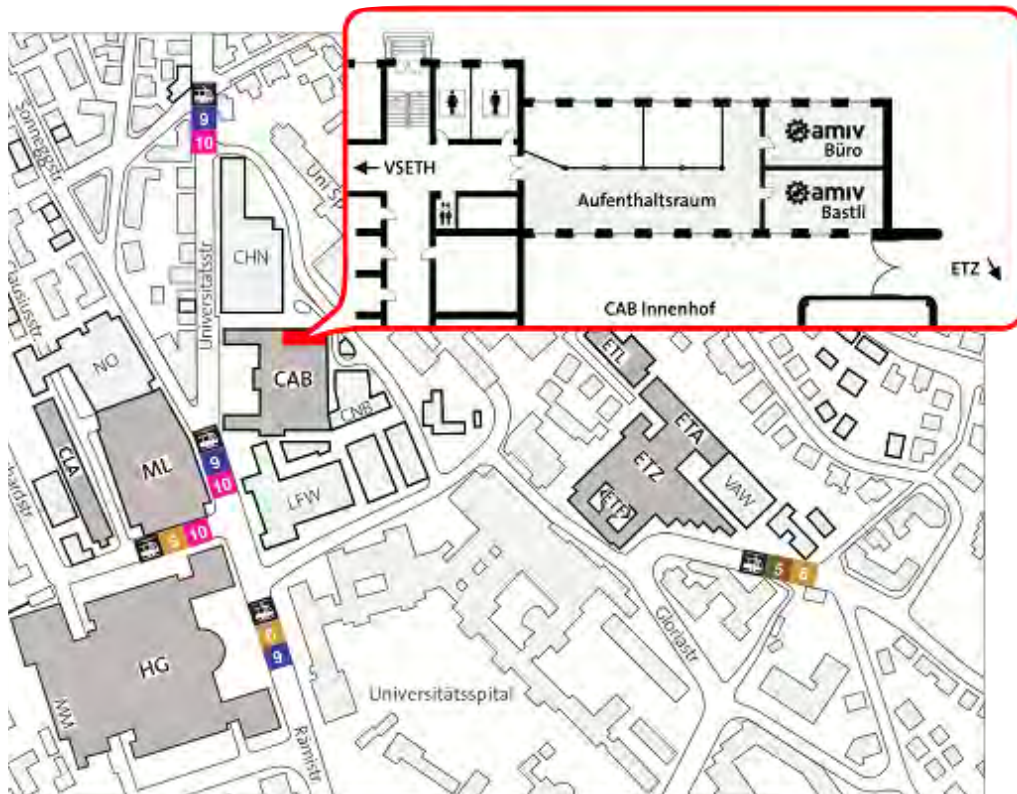
**More information on [amiv.ethz.ch](https://amiv.ethz.ch)**

# Questions?





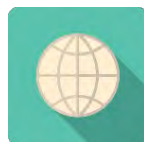
**AMIV and der ETH**  
**CAB E37**  
**Universitätstrasse 6**  
**8092 Zürich**



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facebook.com/AMIV.ETHZ



www.amiv.ch



info@amiv.ethz.ch

**veth**

Welcome Day 2023







# LIMES

WOMEN\* IN ELECTRICAL AND MECHANICAL  
ENGINEERING AT ETH ZURICH



# About us

LIMES is the women\* student committee of AMIV, the association for students studying Information Technology and Electrical Engineering (D-ITET) and Mechanical and Process Engineering (D-MAVT).

\*Our use of the term "women" includes all individuals who identify as women, non-binary, inter- and transgender and face gender-based discrimination.



# Our mission

## Insight

We equip our members with invaluable industry insights prior to their completion of studies.

## Network

We connect women\* engineering students, fostering a strong support network that goes beyond their academic pursuits.



## Inspire

We seek to inspire high school students to pursue technical career paths.





# What we do



Events



Projects



Meetings



# Events

- Women\*'s Evening
- LIMES Talk
- Regulars' table (Stammtisch)
- Summer Cocktail Night
- LIMES Cup - A Soccer Tournament
- Excursions
- Workshops
- Hackathons
- Team Events
- Schülerinnen\*tag
- .. & many more!





# Upcoming Events 2023

**20.09.** Ersti-Rallye LIMES Booth  
For all new joiners

**28.09.** Welcome Aperitif  
Grab your free welcome drink!

**30.09.** Workshop w/ ABB @WeTechTogether  
Join our workshop at the WeTechTogether Conference in Technopark Zurich

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Spaghetti Dinner for D-ITET exclusive!

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Let's visit the Google office together!

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Invest in yourself. In your financial education. In your future.

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Evening with keynotes, talent acquisition scouts, drinks and dinner



# Projects



In total, 23 dispensers which dispense free tampons and pads are installed in women's and gender-neutral toilets on ETH campus.

The aim of the project is help normalize and eliminate the stigma surrounding the subject of menstruation.



# Meetings

Meetings are held bi-weekly during the semester on ETH campus.

You can simply come to one of our meetings and learn more about what we do  
- no strings attached!

The meeting schedule can be found on our website and social media.  
Snacks are provided.



# Become a member

Becoming a LIMES member is easy! If you are interested in joining our organization, write us or simply attend our next meeting to learn more. 😊



# Stay updated



<https://limes.ethz.ch>



@limes.eth




company/limes-eth



# Any questions?

Send an email to:  
[limes@amiv.ethz.ch](mailto:limes@amiv.ethz.ch)







Hochschulpolitik



Events



Studienunterlagen

**Was machen  
wir?**







Hochschulpolitik

# Gestalte dein Studium mit!

Vertretung der studentischen Interessen  
gegenüber der ETH

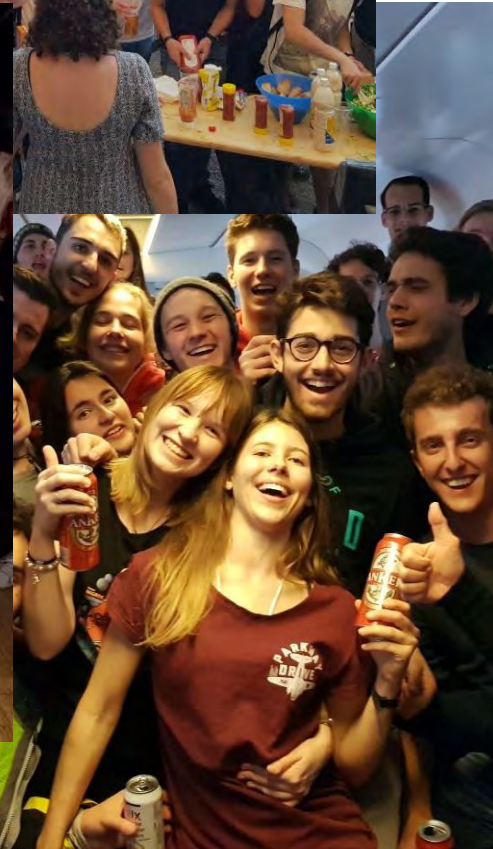
Evaluationen von Vorlesungen

Prüfungsvorbereitungskurse

# Bring Spass in dein Studium!

- Theater
- Poker- / Jassturnier
- Sushi-Night
- Schoggifondue
- Wanderweekend
- Skiweekend
- Wellness-Abend
- Lasertag
- Beachvolleyballturnier

## Events







Dokumente suchen...



Departement

Schnellfilter

2. Semester / D-ITET / Vorlesung auswählen

ZURÜCKSETZEN

Vorlesung hier eintippen

 Hast du mündliche Prüfungen? [Hier gibt's Infos zu Prüfungsprotokollen](#) Möchtest du deine Zusammenfassung(en) teilen? [Dokument\(e\) hochladen](#)

Studienunterlagen

amiv.ethz.ch

Über 1000  
Zusammenfassungen,  
alte Prüfungen uvm.



- 4 Sofaecken
- Fernseher mit Konsolen
- Mikrowellen



- Bierautomat
- Kaffeeautomat
- 2 Töggelikasten
- Billardtisch
- Matomat





Bastli



**LIMES**

Ladies In Mechanical and Electrical Studies

*blitz*

die Fachzeitschrift des amiv an der  
ETH



eeStec

ELECTRICAL ENGINEERING STUDENTS'  
EUROPEAN ASSOCIATION



## Ersti-Apéro

Heute 13:00

Polyterasse

## Ersti-Rally

Mittwoch, 21. September

## Erstiweekend

Anmeldung heute 18:00

Freitag 13:00 bis Sonntag



## AMIV

## Generalversammlung

Mittwoch, 28. September

18:00 , Stuz im CAB

**Alle Informationen auf [amiv.ethz.ch](http://amiv.ethz.ch)**

# AMIV Kontakt.22:

## The Job Fair for Engineers!

**CLA & LEE Buildings**  
**11. & 12.10.2022, 11:00–17:00**



57 companies  
2 days  
Free CV-checks  
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Presentations &  
Workshops



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**Quereinstieg ins Software Engineering**

**Tuesday, 27.09.2022, 18:00, HG E 1.2**

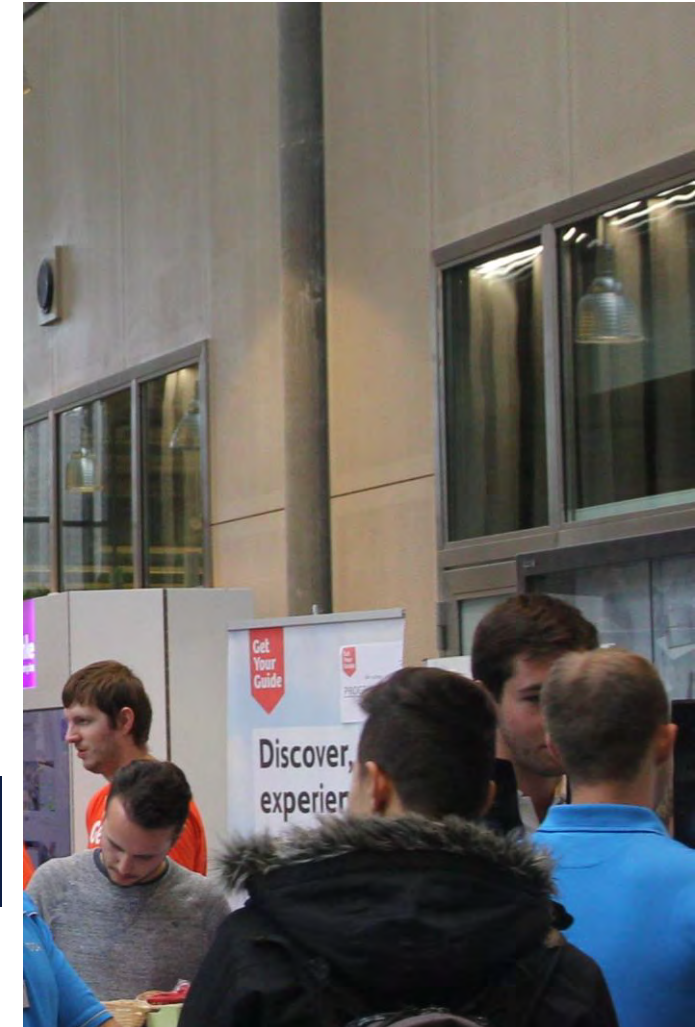
**Job Search Strategies**

**Thursday, 29.09.2021, 18:15, HG E 5**

**Lohnverhandlungen und Saläre**

**Tuesday, 04.10.2021, 18:15, HG E 3**

**Register on [amiv.ethz.ch/events](https://amiv.ethz.ch/events)**







Mitglied werden

Ressorts /  
Kommissionen

Vorstand  
(ab 3. Semester)

### Freiwillige Beiträge

Freiwillige Beiträge, die Sie bei der letzten Semestereinschreibung gewählt haben. Diese können bis zum 00.00.2000 geändert werden.

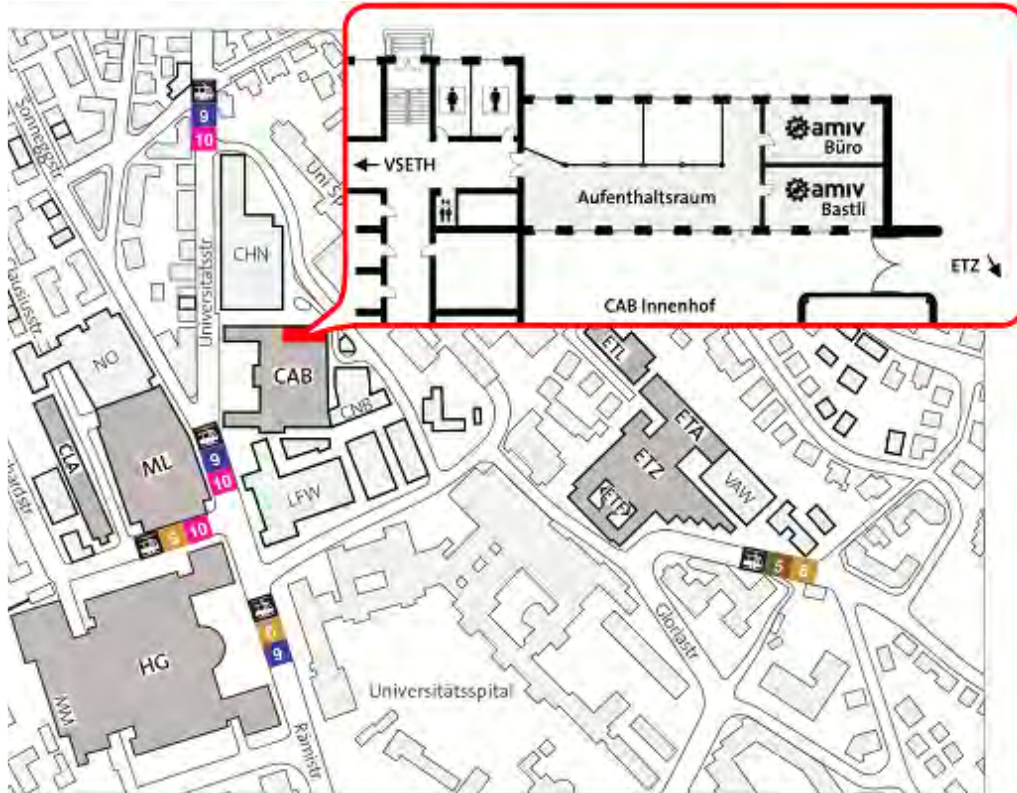
	Ja	Nein
Stiftung Solidaritätsfonds für ausl. Studierende (CHF 5.-)	<input type="radio"/>	<input type="radio"/>
Mitgliedschaft SOSeth (CHF 5.-)	<input type="radio"/>	<input type="radio"/>
Mitgliedschaft VSETH (CHF 10.-; für Doktoranden und MAS/MBA CHF 35.-)	<input checked="" type="radio"/>	<input type="radio"/>

Speichern





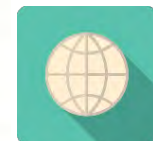
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@limes.eth



company/limes-eth



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