



# Master Program in Electrical Engineering and Information Technology

**Welcome and Information Event, ETZ E 6**

September 17, 2018

Reto Kreuzer, Coordinator of Studies D-ITET

# Welcome to the Department of Electrical Engineering and Information Technology!



# An international program

**Joining approx. 120 ETH Zurich Bachelor graduates, more than 60 external students add to the international character of D-ITET's Master's level.**

## **A very international programme:**

Brazil, Canada, Chile, China, France, Germany, Iceland, India, Iran, Italy, Portugal, Romania, Serbia, Spain, Switzerland, Taiwan, Turkey, United Arab Emirates, United Kingdom, United States.

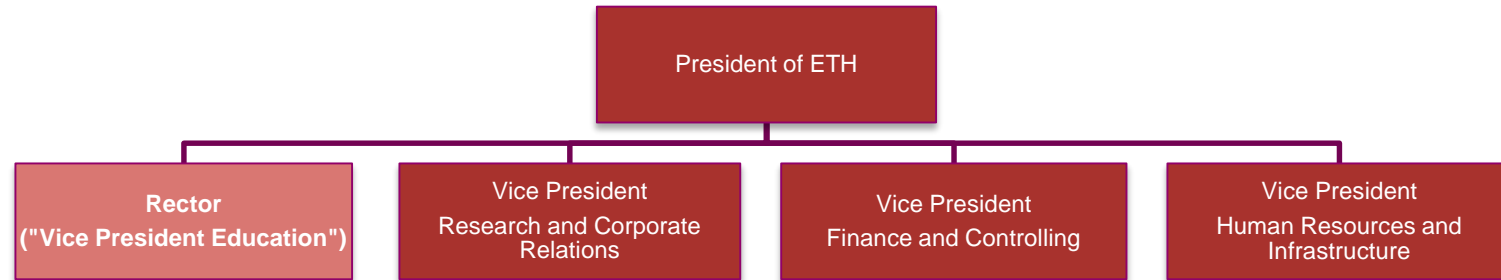
## **Great variety of schools:**

Belgrade University / Bilkent University / BITS Pilani / Bucharest Politehnica University / California Institute of Technology / CentraleSupélec / Ecole d'ingénieurs et d'architectes de Fribourg / EPFL / Hochschule für Technik, Brugg-Windisch, Olten, Muttenz / Huazhong University of Science & Technology / IIT Roorkee / Isfahan University of Technology / Jilin University / KIT / Koç University / Manchester University / METU Ankara / Mumbai University / Nanjing University / NIT Karnataka / NIT Rourkela / North China Electric Power University & Edinburgh University / Politecnico di Milano / Politecnico di Torino / Pontificia Universidad Católica de Chile / Purdue University / Rochester Institute of Technology / Ryerson University / South China University of Technology, Guangzhou / Southeast University, Nanjing / Tianjin University / Tongji University / Tongji University & Uni Bologna / Tsing Hua University / Tsinghua University / TU München / UC Davis / Uni Stuttgart / Uni Zaragoza / Universidade de Brasília / Universidade de Coimbra / Universitat Politècnica de Catalunya / University of British Columbia / University of Iceland / University of Miami / University of Washington / Visveswaraiah Technological University / Wuhan University & Université Lyon 1 / Xi'an Jiaotong University / ZHAW Winterthur



# ETH and ITET: structure & key figures

# ETH Zürich: Organization and structure



## 16 Departments for Education and Research

Architecture and Civil Engineering	Engineering Sciences	Natural Sciences and Mathematics	System-oriented Natural Sciences	Management and Social Sciences
Architecture	Mechanical and Process Engineering	Mathematics	Earth Sciences	Management, Technology and Economics
Civil, Environmental and Geomatic Engineering	<b>Information Technology and Electrical Engineering</b>	Physics	Environmental Systems Science	Humanities, Social and Political Sciences
	Computer Science	Chemistry and Applied Biosciences	Health Sciences and Technology	
	Materials Science	Biology		
	Biosystems Science and Engineering			

# D-ITET: Size and members

- 11 laboratories (institutes) und 5 independent professorships
- 35 professors (4 women)
- 100 lecturers in total
- ca. 500 scientific and administrative employees
- ca. 400 PhD students
- ca. 1'300 undergraduate, master and exchange students



# 35 Professors of D-ITET



Prof. Luca Benini



Prof. Jürgen Biela



Prof. Helmut Bölcskel



Prof. Colombo Bolognesi



Prof. Gian-Luca Bona



Prof. Florian Dörfler



Prof. Christian M. Franck



Prof. Orçun Göksel



Prof. Benjamin Grewe



Prof. Ulrike Grossner



Prof. Richard Hahnloser



Prof. Qiuting Huang



Prof. Gabriela Hug



Prof. Maryam Kamgarpour



Prof. Johann W. Kolar



Prof. Ender Konukoglu



Prof. Sebastian Kozerke



Prof. Amos Lapidath



Prof. Jürg Leuthold



Prof. Hans-Andrea Loeliger



Prof. Mathieu Luisier



Prof. John Lygeros



Prof. Lukas Novotny



Prof. Klaas P. Prüssmann



Prof. Markus Rudin



Prof. Marco Stampanoni



Prof. Klaas Enno Stephan



Prof. Lothar Thiele



Prof. Luc Van Gool



Prof. Laurent Vanbever



Prof. János Vörös



Prof. Roger P. Wattenhofer



Prof. Armin Wittneben



Prof. Vanessa C. Wood

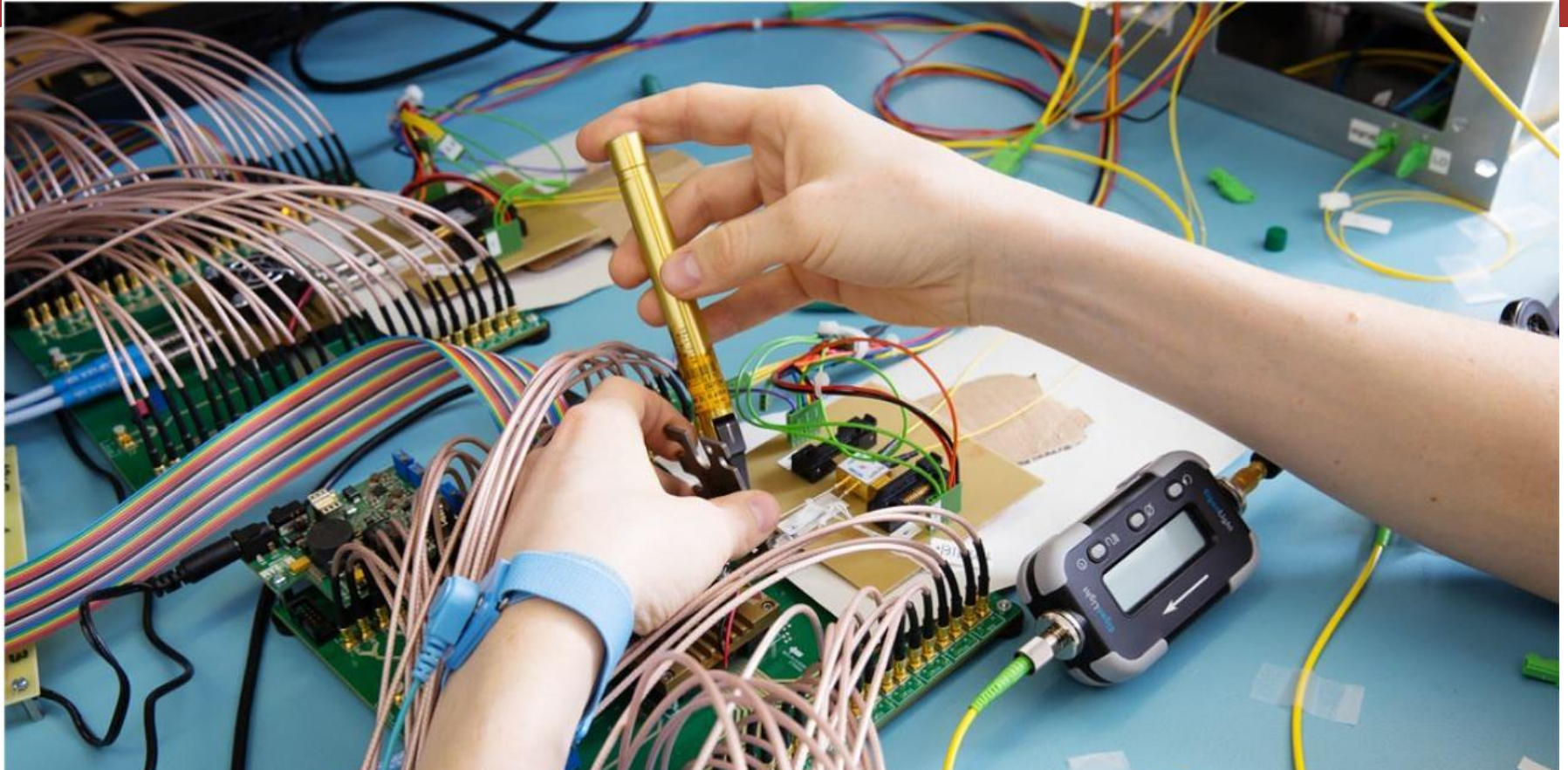


Prof. Mehmet Fatih Yanik

# Students at ETHZ and D-ITET (2017 figures)

<b>Students at ETH</b>	<b>20'607</b>	
Female Students *	32 %	
International Students **	34 %	
<b>Students at D-ITET</b>	<b>1'769</b>	
Female Students *	18 %	
International Students **	45 %	
<b>Students at bachelor level (years 1 to 3)</b>		
ETH	9'262	* 31% / ** 13%
D-ITET	<b>700</b>	* 14% / ** 18%
<b>Students at master level (years 4 to 5)</b>		
ETH	6'158	* 32% / ** 38%
D-ITET	<b>624</b>	* 22% / ** 53%
<b>Electrical Engineering MSc</b>	<b>377</b>	* <b>13%</b> / ** <b>43%</b>
Biomedical Engineering MSc (with D-HEST, D-MAVT and D-PHYS)	93	* 43% / ** 57%
Energy Science & Technology MSc (with D-MAVT and D-MTEC)	101	* 23% / ** 71%
Neural Systems an Computation MSc (with University Zurich)	53	* 45% / ** 85%
<b>Exchange students</b>		
ETH	449	* 36% / ** 94%
D-ITET	<b>45</b>	* 22% / ** 100%
<b>PhD students</b>		
ETH	4'902	* 26% / ** 59%
D-ITET	<b>400</b>	* 18% / ** 71%





# ETH and ITET: find the right contact

# Your most important contacts

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



Student

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

# Contact persons at D-ITET



Prof. Jürg Leuthold

Director of studies

ETZ K 81

+41 44 632 80 10

leuthold@ethz.ch



Reto Kreuzer

Coordinator of studies,  
Student advisor

ETZ H 83

+41 44 632 50 03

reto.kreuzer@ee.ethz.ch



Doris Döbeli

Student Administration

ETZ H 85

+41 44 632 50 03

info@ee.ethz.ch





# 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 > Main Master Program

- **Course catalogue**

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

- **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 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

**International students, please contact Ms Annina Wanner at the Rectorate (Main Building, HG F 22.3) or D-ITET's Study Administration (ETZ H 85) for help on regulations.**



$$\int_{\partial V} (\mathbf{E} \times \mathbf{H}) \cdot \mathbf{n} \, da + \frac{\partial}{\partial t} \int_V \frac{1}{2} [\mathbf{D} \cdot \mathbf{E} + \mathbf{B} \cdot \mathbf{H}] \, dV =$$

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



## Courses, Credits and Exams

# The Master's Degree Program

- **Courses** (3 semesters, 66-78 credits)  
See the [course catalog](#) 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**.
- **1-2 semester projects** (14 weeks, 12 credits)  
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 outside ETH
- **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 the following (teaching) areas:
  - Communications
  - Electronics and Photonics
  - Computers and Networks
  - Systems and Control
  - Energy and Power Electronics
- **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.

# The choice of specializations is broad

Choose a tutor from our research areas

- Electronics and Photonics
- Information and communication
- Energy
- Biomedical Engineering / Neuroinformatics

## Electronics and Photonics

Integrated Systems Laboratory

Electronics Laboratory

Millimeter-wave Electronics Laboratory

Institute of Electromagnetic Fields

Photonics Laboratory

Photonics Laboratory, Empa

## Information and Communication

Communication Technology Laboratory

Automatic Control Laboratory

Computer Engineering and Networks Laboratory

Signal and Information Processing Laboratory

Computer Vision Laboratory

## Energy

Power Systems and High Voltage Laboratories

Laboratory for High-power Electronic Systems

Power Electronic Systems Laboratory

Advanced Power Semiconductor Laboratory

# Electives, Internship or Project?

- **Elective courses** (12 credits) are meant to add a management, economics or law component to the curriculum. A list of recommended courses is 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 the **Internship in Industry** (12 credits). It 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!

# Navigating to the right section in the course catalogue

When looking up courses offered in fall 2018, make sure to look for the 2018 regulations.

The screenshot shows the ETH zürich Course Catalogue search interface. The page has a dark blue header with the ETH zürich logo and the text 'Course Catalogue'. Below the header, there are navigation tabs: 'Courses', 'Lecturers', and 'Time and Place', with 'Courses' selected. A green 'Start' button is also visible. The main content area is titled 'Search for Courses' and contains several search criteria:

- Semester:** A dropdown menu with 'Autumn Semester 2018' selected. An arrow points to this dropdown with the text 'Choose your semester'.
- Level:** A dropdown menu.
- Department:** A dropdown menu.
- Structure:**
  - Programme:** A dropdown menu with 'Electrical Engineering and Information Technology Master' selected. An arrow points to this dropdown with the text 'Choose your programme'.
  - Section:** A dropdown menu with 'Master Studies (Programme Regulations 2018)' selected. An arrow points to this dropdown with the text 'Choose your regulations'.
  - Subsection:** A dropdown menu.
- Further criteria:**
  - Course unit:** Two input fields for 'Title' and 'Number'.
  - Lecturer:** Two input fields for 'Last name' and 'First name'.
  - Type:** A dropdown menu.

Choose your semester

Choose your programme

Choose your regulations



# Choose courses from the course catalogue (current semester)

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

ETH zürich  
Course Catalogue

Print | Help | Contact | de

▼ Courses | ▼ Lecturers | ▼ Time and Place

Start →

Search result: Course units in Autumn Semester 2018

Course units | Catalogue data | Courses | Browse

Electrical Engineering and Information Technology Master

► Master Studies (Programme Regulations 2018)

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

The individual study plan is subject to the tutor's approval.

► ► ► 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	A. Witteben
227-0101-00L	Discrete-Time and Statistical Signal Processing	W	6 credits	4G	H.-A. Loeliger

► ► ► Advanced Core Courses

Number	Title	Type	ECTS	Hours	Lecturers
227-0417-00L	Information Theory I	W	6 credits	4G	A. Lapidoth
227-0427-00L	Signal Analysis, Models, and Machine Learning	W	6 credits	4G	H.-A. Loeliger
227-0439-00L	Wireless Access Systems	E-	6 credits	2V + 2U	A. Witteben

Does not take place this semester.

► ► ► Specialization Courses  
These specialization 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 specialization courses during the Master's Programme.

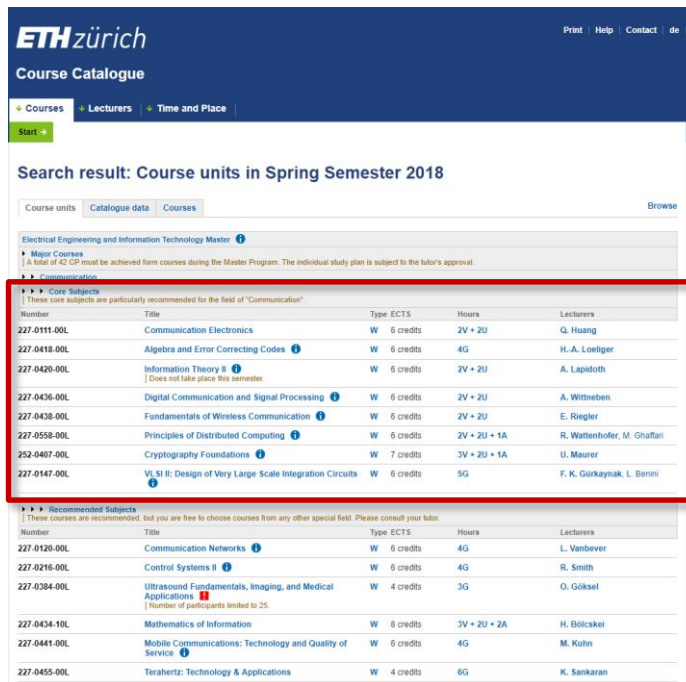
Number	Title	Type	ECTS	Hours	Lecturers
227-0102-00L	Discrete Event Systems	W	6 credits	4G	L. Thiele, L. Vanbever, R. Wattenhofer
227-0103-00L	Control Systems	W	6 credits	2V + 2U	F. Dörfler
227-0112-00L	High-Speed Signal Propagation	W	6 credits	2V + 2U	C. Bolognesi

Choose core courses

Choose specialization courses

# Choose courses from the course catalogue (spring semester)

Spring 2019 courses will be published in November 2018, for core courses in your tutor agreement choose **"Core Subjects"** form the **Major Courses** of the previous regulations (**spring 2018**). Note that you may have to change your tutor agreement next semester to reflect possible updates/changes in the course list.



ETH zürich  
Course Catalogue

Search result: Course units in Spring Semester 2018

Electrical Engineering and Information Technology Master

Major Courses  
A total of 42 CP must be achieved from courses during the Master Program. The individual study plan is subject to the tutor's approval.

Core Subjects  
These core subjects are particularly recommended for the field of "Communication".

Number	Title	Type	ECTS	Hours	Lecturers
227-0111-00L	Communication Electronics	W	6 credits	2V + 2U	Q. Huang
227-0418-00L	Algebra and Error Correcting Codes	W	6 credits	4G	H.-A. Loeliger
227-0420-00L	Information Theory II Does not take place this semester.	W	6 credits	2V + 2U	A. Lapidoth
227-0436-00L	Digital Communication and Signal Processing	W	6 credits	2V + 2U	A. Wittneben
227-0438-00L	Fundamentals of Wireless Communication	W	6 credits	2V + 2U	E. Riegler
227-0558-00L	Principles of Distributed Computing	W	6 credits	2V + 2U + 1A	R. Wattenhofer, M. Ghaffari
252-0407-00L	Cryptography Foundations	W	7 credits	3V + 2U + 1A	U. Maurer
227-0147-00L	VLSI II: Design of Very Large Scale Integration Circuits	W	6 credits	5G	F. K. Gürkaynak, L. Benini

Recommended Subjects  
These courses are recommended, but you are free to choose courses from any other special field. Please consult your tutor.

Number	Title	Type	ECTS	Hours	Lecturers
227-0126-00L	Communication Networks	W	6 credits	4G	L. Vanbever
227-0216-00L	Control Systems II	W	6 credits	4G	R. Smith
227-0384-00L	Ultrasound Fundamentals, Imaging, and Medical Applications Number of participants limited to 25.	W	4 credits	3G	O. Göksel
227-0434-10L	Mathematics of Information	W	6 credits	3V + 2U + 2A	H. Bölcskei
227-0441-00L	Mobile Communications: Technology and Quality of Service	W	6 credits	4G	M. Kuhn
227-0455-00L	Terahertz: Technology & Applications	W	4 credits	6G	K. Sankaran

Choose "core subjects"

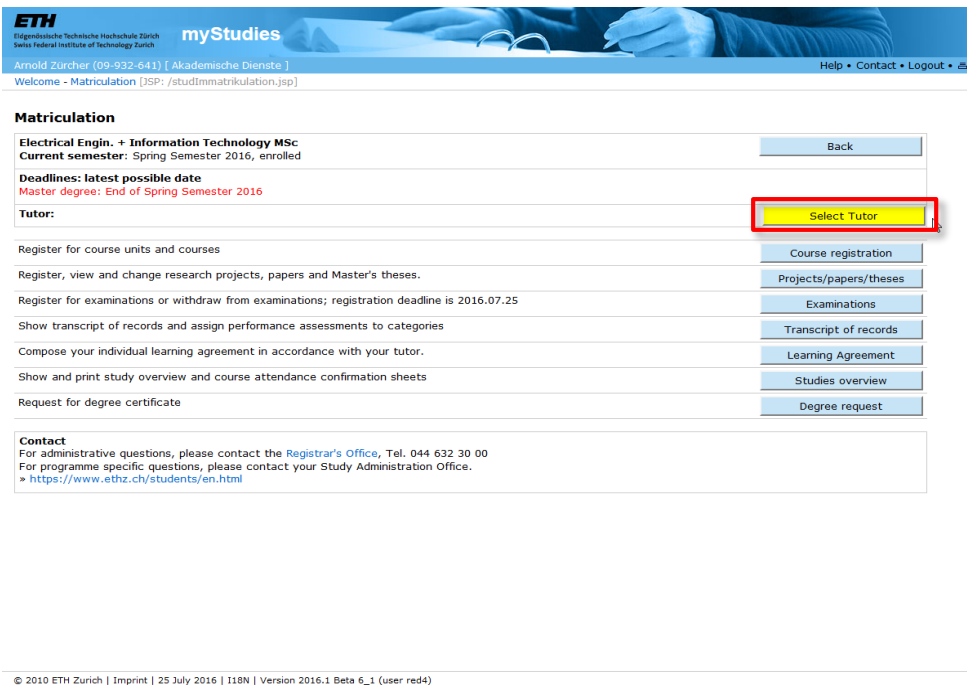
# Submitting a tutor agreement: Best practice

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

- If you do not have a tutor yet, decide which professors' research areas best fit your study interests (see the [program's website](#)).
- Put together a list of courses in a *tentative* tutor agreement form without submitting it. Print this list out and/or take your computer to the meeting.
- Meet the potential tutor(s) and discuss your choice of courses.
- 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 **ask your tutor** for his/her favorite way of handling the tutor agreement process.

# Choosing a tutor in myStudies

Navigate to "Matriculation" in your myStudies account and choose "Select Tutor"



The screenshot shows the myStudies interface for the 'Matriculation' section. The page header includes the ETH logo and 'myStudies' branding. The main content area is titled 'Matriculation' and displays the following information:

- Electrical Engin. + Information Technology MSc**
- Current semester:** Spring Semester 2016, enrolled
- Deadlines: latest possible date**
- Master degree:** End of Spring Semester 2016
- Tutor:** A yellow button labeled 'Select Tutor' is highlighted with a red box.

Below the 'Tutor' section, there are several links for further actions:

- Back
- Course registration
- Projects/papers/theses
- Examinations
- Transcript of records
- Learning Agreement
- Studies overview
- Degree request

At the bottom, there is a 'Contact' section with the following text:

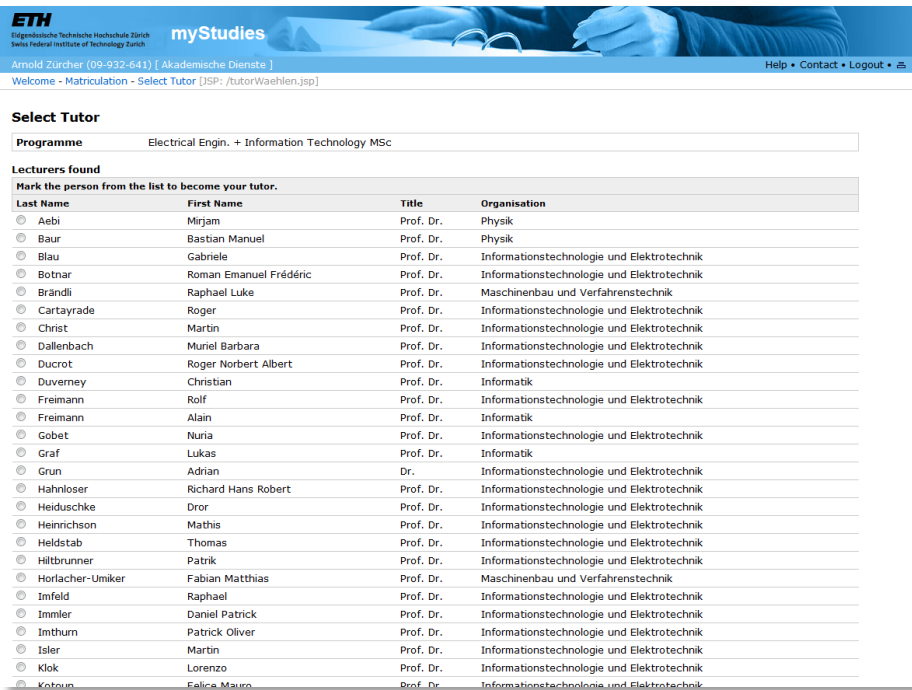
**Contact**  
For administrative questions, please contact the Registrar's Office, Tel. 044 632 30 00  
For programme specific questions, please contact your Study Administration Office.  
» <https://www.ethz.ch/students/en.html>

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

# Choosing a tutor in myStudies (cont'd)

Choose your tutor from the list of available tutors (example list below):



**ETH**  
Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zürich

myStudies

Arnold Zürcher (09-932-641) | Akademische Dienste | Help • Contact • Logout • ☰

Welcome - Matriculation - Select Tutor [DSP: /tutorWaehlen.jsp]

**Select Tutor**

Programme Electrical Engin. + Information Technology MSC

**Lecturers found**

Mark the person from the list to become your tutor.

Last Name	First Name	Title	Organisation
<input type="radio"/>	Aebi Mirjam	Prof. Dr.	Physik
<input type="radio"/>	Baur Bastian Manuel	Prof. Dr.	Physik
<input type="radio"/>	Blau Gabriele	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/>	Botnar Roman Emanuel Frédéric	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/>	Brandli Raphael Luke	Prof. Dr.	Maschinenbau und Verfahrenstechnik
<input type="radio"/>	Cartayrade Roger	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/>	Christ Martin	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/>	Dallenbach Muriel Barbara	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/>	Ducrot Roger Norbert Albert	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/>	Duverney Christian	Prof. Dr.	Informatik
<input type="radio"/>	Freimann Rolf	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/>	Freimann Alain	Prof. Dr.	Informatik
<input type="radio"/>	Gobet Nuria	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/>	Graf Lukas	Prof. Dr.	Informatik
<input type="radio"/>	Grun Adrian	Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/>	Hahnloser Richard Hans Robert	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/>	Heiduschke Dror	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/>	Heinrichson Mathis	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/>	Heldstab Thomas	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/>	Hiltbrunner Patrik	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/>	Horlacher-Umiker Fabian Matthias	Prof. Dr.	Maschinenbau und Verfahrenstechnik
<input type="radio"/>	Imfeld Raphael	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/>	Inmlier Daniel Patrick	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/>	Imthurn Patrick Oliver	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/>	Isler Martin	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/>	Klok Lorenzo	Prof. Dr.	Informationstechnologie und Elektrotechnik
<input type="radio"/>	Kobayashi Felice Mauro	Prof. Dr.	Informationstechnologie und Elektrotechnik

The tutor will have to **confirm** in order to make your choice effective.

# 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.

**ETH** Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zürich

myStudies

Arnold Zürcher (09-932-641) [ Akademische Dienste ]

Help • Contact • Logout • ☰

Welcome - Matriculation - Display Learning Agreement [JSP: /showLearningAgreement.jsp]

### Learning Agreement of Arnold Zürcher (In process)

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

**Tutor** Prof. Dr. J. Reymond

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.

Note: The fields concerning the "Mentor" (see next step) must be left empty.

**Completion of mandatory courses** Treatment of mandatory courses.

**Not regular** Category assignment disagrees with official Course Catalogue.

**Changes** **New:** Newly added, **Moved:** Moved to another category, **Modified:** Text modified, for external courses only.

Category	Registered	Title	ECTS credits			Completion of mandatory course	Not regular	Changes
			Planned	Needed	Missing			
	Number							
<b>Major Courses</b>			42	42				

Print Delete

**Edit** Submit Back



# Edit 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.

**ETH**  
Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zürich
myStudies

Arnold Zürcher (09-932-641) | [ Akademische Dienste ]
Help • Contact • Logout •

Welcome - Matriculation - Edit Learning Agreement [JSP: /editLearningAgreement.jsp]

### Edit Learning Agreement

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

**Tutor** Prof. Dr. J. Reymond

**Mentor**  **Email**

**Completion of mandatory courses** Indicate for each mandatory course whether it will be completed in this programme (yes), at another university, within another programme, or not at all.

**Change category** Each course must be put into a category of the programme. If a course is assigned to another category than listed in the Course Catalogue, it will be marked in column 'Not reg' by 'X'. Courses without category must be assigned to a category or deleted - otherwise the learning agreement cannot be submitted.

**Completion of mandatory courses** Treatment of mandatory courses. Other courses can be assigned to another category.

**Not regular** Category assignment disagrees with official Course Catalogue.

Category Number	Title	ECTS credits		Completion of mandatory course	Not regular	Delete
		Planned	Needed			
<b>Major Courses</b>						
227-0120-00L	Communication Networks	6	42	Change category		✖
252-0408-00L	Cryptographic Protocols	5		Change category		✖
252-0407-00L	Cryptography Foundations	7		Change category		✖
227-0436-00L	Digital Communication and Signal Processing	6		Change category		✖
227-0434-00L	Harmonic Analysis: Theory and Applications in Advanced Signal Processing	6		Change category		✖
227-0558-00L	Principles of Distributed Computing	6		Change category		✖
112	Distributed Operating Systems	6		Change category	X	✖

Add learning units
Save and back
Cancel

# Submit learning agreement

The learning agreement can only be submitted if you have a tutor. If you do not, an error warning (see above) will appear.

**ETH** myStudies  
Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zürich

Arnold Zürcher (09-932-641) [ Akademische Dienste ]  
Welcome - Matriculation - Display Learning Agreement [JSP: /showLearningAgreement.jsp]

**Learning Agreement of Arnold Zürcher (In process)**

**Error:**  
▪ The learning agreement can be submitted only if a tutor is definitely assigned.

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

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.

Note: The fields concerning the "Mentor" (see next step) must be left empty.

**Completion of mandatory courses** Treatment of mandatory courses.  
**Not regular** Category assignment disagrees with official Course Catalogue.  
**Changes** **New:** Newly added, **Moved:** Moved to another category, **Modified:** Text modified, for external courses only.

Category	Registered	Title	ECTS credits			Completion of mandatory course	Not regular	Changes
			Planned	Needed	Missing			
<b>Major Courses</b>			<b>44</b>	<b>42</b>				
		227-0111-00L ● Communication Electronics		6				
		227-0120-00L ● Communication Networks		6				
		252-0408-00L ● Cryptographic Protocols		5				
		252-0407-00L ● Cryptography Foundations		7				
		227-0436-00L ● Digital Communication and Signal Processing		6				
		227-0438-00L ● Fundamentals of Wireless Communication		6				
		227-0434-00L ● Harmonic Analysis: Theory and Applications in Advanced Signal Processing		6				
		851-0734-00L ● Recht der Informationssicherheit		2				

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# myStudies: Change learning agreement

If you have not discussed your learning agreement before submitting it and the tutor requires you to change it or if the initial tutor agreement must be changed for any reason at a later point in time (with the agreement of the tutor) you may be invited to change it:

**ETH** myStudies  
Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zürich

Arnold Zürcher (09-932-641) [ Akademische Dienste ] Help • Contact • Logout •

Welcome - Matriculation - Display Learning Agreement [JSP: /show/LearningAgreement.jsp]

### Learning Agreement of Arnold Zürcher (Changes requested by tutor)

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

**Tutor** Prof. Dr. J. Reymond

**Changes required** as discussed in my office earlier today

**Completion of mandatory courses** Treatment of mandatory courses.

**Not regular** Category assignment disagrees with official Course Catalogue.

**Changes** **New:** Newly added, **Moved:** Moved to another category, **Modified:** Text modified, for external courses only.

Category	Registered Number	Title	ECTS credits			Completion of mandatory course	Not regular	Changes
			Planned	Needed	Missing			
<b>Major Courses</b>			<b>42</b>	<b>42</b>				
	227-0120-00L	Communication Networks		6				
	252-0408-00L	Cryptographic Protocols		5				
	252-0407-00L	Cryptography Foundations		7				
	227-0436-00L	Digital Communication and Signal Processing		6				
	227-0434-00L	Harmonic Analysis: Theory and Applications in Advanced Signal Processing		6				
	227-0558-00L	Principles of Distributed Computing		6				New
	112	Distributed Operating Systems UZH		6			X	New

**Deleted Course Units**

Number	Title	from Category
227-0111-00L	Communication Electronics	6 Major Courses
227-0438-00L	Fundamentals of Wireless Communication	6 Major Courses
851-0734-00L	Recht der Informationssicherheit	2 Major Courses

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# Department of Humanities, Social and Political Sciences (D-GESS)

- Learn to **contextualize** specialized knowledge:
  - 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;
- The courses offered by the D-GESS "Science in Perspective (SiP)" are **mandatory for all students** at ETH, everyone must earn at least 2 cp during their Master's Degree studies.
- 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](#)).

**Contact:** Study Admin D-GESS, Ms. Viola Gloor, [viola.gloor@gess.ethz.ch](mailto:viola.gloor@gess.ethz.ch)

**On the web:** [www.gess.ethz.ch](http://www.gess.ethz.ch)

# Students online portal – **Reminder**

Your administrative duties (on [www.mystudies.ethz.ch](http://www.mystudies.ethz.ch)):

- **Enrollment to 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**).
  - Enroll for **exams** – please 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 – **Reminder**

- 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 (**Examinations**)

Three types of performance assessments:

1. **Session examination** (**Attention to registration/deregistration deadlines**)  
(Winter session: January/February – Summer session: August)
2. **End-of-semester examination** (**Attention to registration/deregistration deadlines**)
3. Graded/ungraded **semester performance** (e.g. semester project or internship in industry) (**Attention minimum/maximum allowed time/deadlines**)

Where to find the type of examination and allowed (written) aids?

- Course catalogue > see "Performance assessment"
- Personal exam schedule in myStudies (for session examinations)
- Lecturer/examiner

# 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. Vanessa Wood, Head of Department





## Useful information

# Computer infrastructure at ETHZ / D-ITET

- All 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 [support@ee.ethz.ch](mailto:support@ee.ethz.ch) (IT support office ETF D 106).
- **Project Neptun:** During a short period (until October 1), laptops may be purchased through ETH (see [www.projektneptun.ch](http://www.projektneptun.ch)).
- **IDES:** ETH also offers software at very low cost, some products even for free (see <http://idesnx.ethz.ch>). Remember: the use of non-licensed software is forbidden and subject to criminal prosecution!

# Counselling at D-ITET and the rectorate

- **Course selection:** your tutor.
- **Studies at D-ITET in particular** (deadlines, failures at examinations etc.): the [coordinator of studies](#)
- **Studies at ETH in general:** the [international student support](#)
- **Time management/motivation:** ETH [student coaching](#)
- **Difficult phases/personal problems:** the [psychological counselling service](#) (free of charge and confidential)

# More details?

- **My Office**

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

Please send an E-mail to fix an appointment ([reto.kreuzer@ee.ethz.ch](mailto:reto.kreuzer@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 Zurich!**

