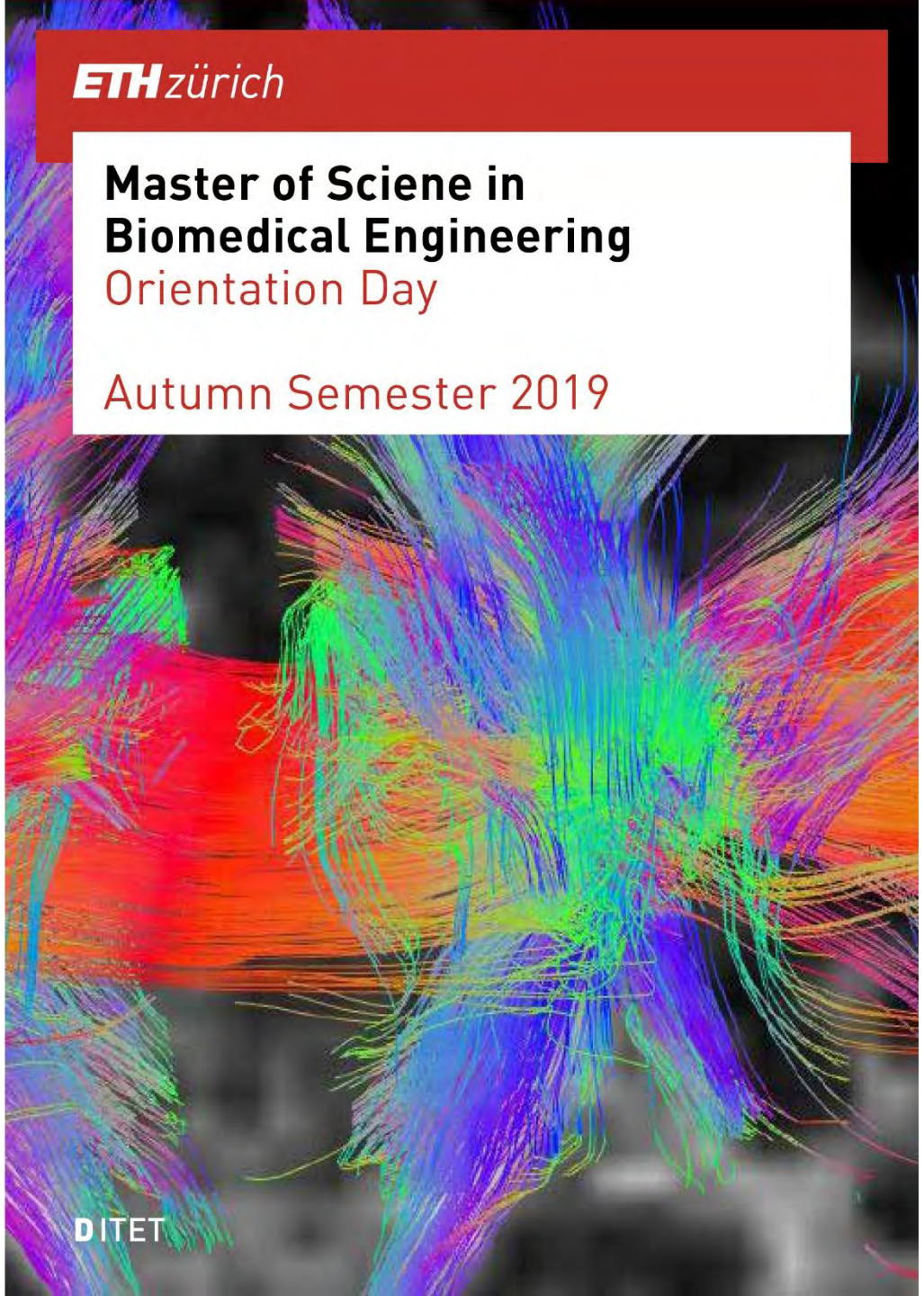
ETH zürich

BIOMEDICAL ENGINEERING



MSc Biomedical Engineering (BME): Who We Are

Administrative part

Christian Frei
Coordinator MSc BME

Reto Kreuzer
Coordinator of studies, D-ITET*

Scientific part

Track Bioelectronics
Janos Vörös

Track Bioimaging
Klaas Prüssmann

Track Biomechanics
Ralph Müller

Track Medical Physics
Tony Lomax, Marco Stampanoni

Track Mol. Bioengineering
Marcy Zenobi

*Other ETH-departments involved: D-HEST, D-MAVT and D-PHYS

BEEZ and AMIV

BEEZ: Biomedical Engineering Student Association

Mavi Polatoglu

AMIV: Student's Association of D-ITET and D-MAVT

Incoming Class

49 students*

Austria (1), China (2), France (1), Germany (1), Iceland (1), Italy (3), Romania (1), Spain (2), Switzerland (32), Turkey (1), UK (1) and USA (3)

31 ETH Bachelors

*** Not all students are matriculated yet**

Your Studies are Subject to Regulations

Study regulations (mostly available in German only)

www.rechtssammlung.ethz.ch
(complete collection, German)
www.master-biomed.ethz.ch
> Legal documents (BME regulations in English)

Rector's Directives (some available in German only)
www.ethz.ch/students
> Studies > Legal basis > Directives Collection

ETH
Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

RSETHZ 324.1.0350.52

Studienreglement 2013

für den Master-Studiengang

Biomedical Engineering

Departemente

Informationstechnologie und Elektrotechnik[1] (D-ITET)

Maschinenbau und Verfahrenstechnik (D-MAVT)

Physik (D-PHYS)

Gesundheitswissenschaften und Technologie (D-HEST)

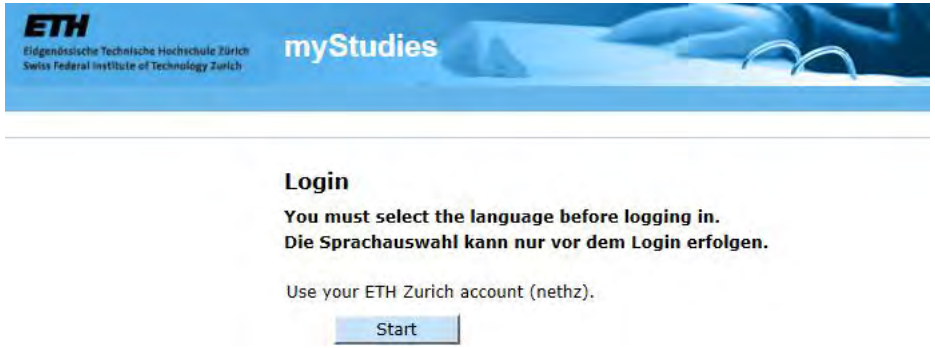
vom 14. Mai 2013

		Artikel
1. Kapitel:	Allgemeine Bestimmungen	1 – 10
2. Kapitel:	Inhalt, Umfang und Struktur des Master-Studiengangs	11 – 21
3. Kapitel:	Zulassung zum Master-Studiengang	22 – 23
4. Kapitel:	Leistungskontrollen	24 – 32
5. Kapitel:	Erteilung des Master-Diploms	33 – 37
6. Kapitel:	Schlussbestimmungen	38 – 41
Anhang		

Ausgabe: **14.05.2013 – 0**

International students, please contact Ms Annina Wanner at the Rectorate (HG F 22.3) or the D-ITET Department Secretariat (ETZ H 85) for help on regulations.

Reminder: Student Online Portal



Your administrative duties on 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 a study plan/learning agreement (until the end of the 4th week)
- Enroll for exams – please enroll during the 3rd and 4th week of the semester (withdrawal possible until very late)

Notify us of your address changes

Read your e-mails!

How to Choose / Enroll for Lectures?

Consult your track advisor!

Overview of lectures to choose from:

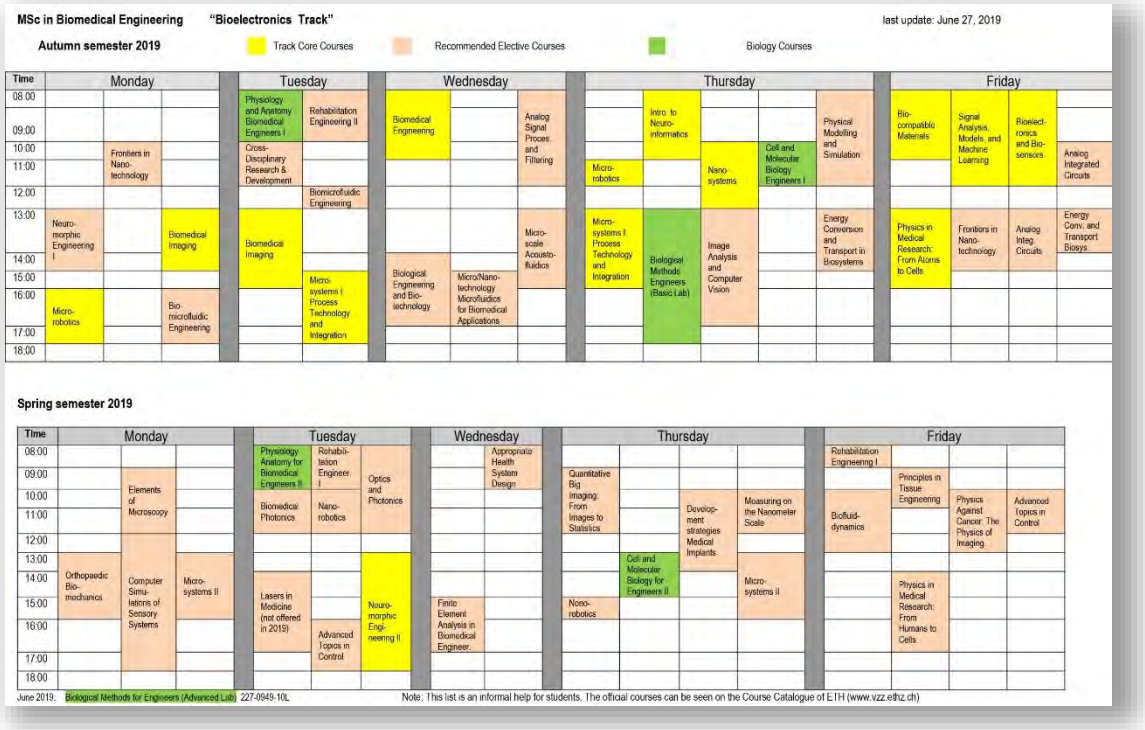
http://www.master-biomed.ethz.ch/education

Course catalogue:

www.vvz.ethz.ch > Level: Master's Degree Programme > Department: ITET > Programme: Biomedical Engineering Master

Enrollment through the online-portal:

www.mystudies.ethz.ch



How to Choose / Enroll for Lectures?

All courses you wish to count towards your Master Diploma must be enrolled for (both the course and the exam)

Only courses agreed upon with the track advisor will count

In particular, do not forget to enroll for the Semester Project and the Master Project

Credits ECTS to Fulfill the MSc BME

Currently: 90 ECTS

Track Courses	50 CP
- Track Core Courses, at least 12 CP	
- Recommended Elective Courses	
- Biology Courses	
Semester Project	~~8 CP~~ 12 CP
Master Project	30 CP
Humanities (GESS/SIP)	2 CP
Total	90 CP

Starting 2020: 120 ECTS

*You have the option to do this**

Track Courses	52 to 76 CP
- Track Core Courses, at least 12 CP	
- Recommended Elective Courses	
- Biology Courses	
Semester Project	12 CP
Option: 2nd Semester Project	12 CP
Option: Internship at Industry	12 CP
Option: Research Project	24 CP
Option: D-HEST Research Projects	5 to 15 CP
Master Project	30 CP
Humanities (GESS/SIP)	2 CP
Total	120 CP

**: Your decision by the end of the spring semester 2020*

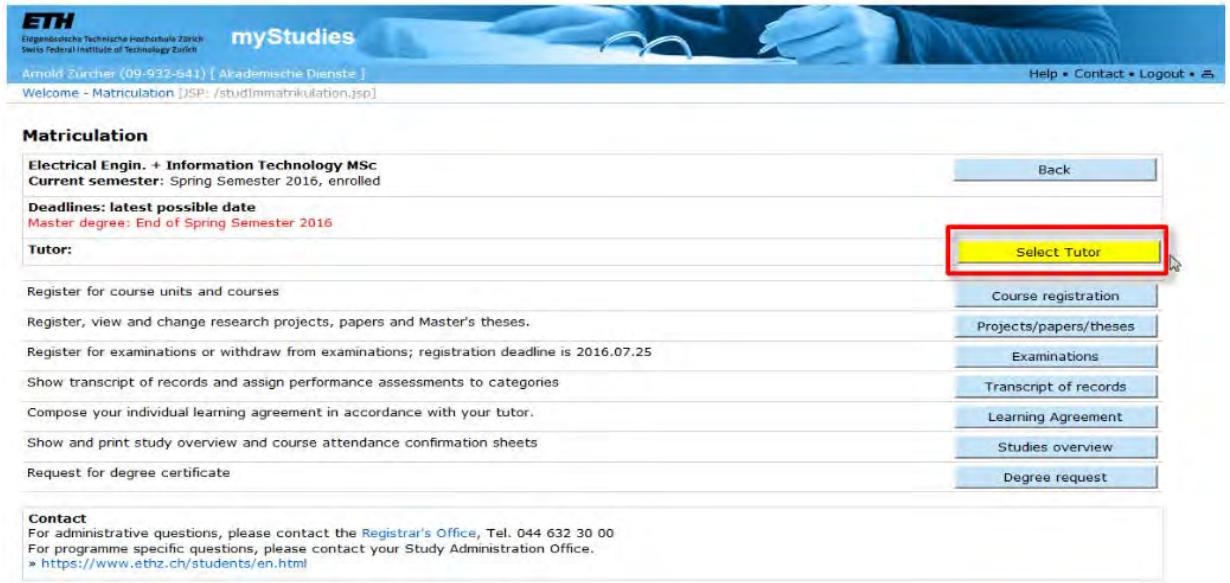
Learning Agreement / Individual Study Plan

Contains all core courses, recommended elective courses and biology courses

Track Medical Physics: Select Tutor

All other tracks: the track advisor is preselected as the tutor

myStudies: called "Learning Agreement"



Discuss your choice with the track advisor, edit and submit the list in *myStudies* by the end of the fourth week of the semester

Track advisors can allow courses not pre-defined for a particular track

Only these courses can be accounted for the final degree

90 Credits ECTS to Fulfill the MSc BME

Track Courses	50 CP
- Track Core Courses, at least 12 CP	
- Recommended Elective Courses	
- Biology Courses	
Semester Project	8 CP
Master Project	30 CP
Humanities (GESS/SIP)	2 CP
Total	90 CP

Semester Project: 14 week 50% or 7 weeks 100%

Master Project: 6 months 100%

Register with *myStudies*

Projects must be supervised by a professor affiliated with one of the 4 participating departments: D-ITET, D-HEST, D-MAVT or D-PHYS

No need to submit a written document/project plan to D-ITET

Not part of the learning agreement

90 Credits ECTS to Fulfill the MSc BME

Track Courses	50 CP
- Track Core Courses, at least 12 CP	
- Recommended Elective Courses	
- Biology Courses	
Semester Project	8 CP
Master Project	30 CP
Humanities (GESS/SIP)	2 CP
Total	90 CP

The GESS/SIP "Compulsory Elective" courses are mandatory for all students at ETH

For language courses, special rules apply (see directives collection)

GESS courses are selected and offered by the Department of Humanities, Social and Political Sciences (D-GESS)

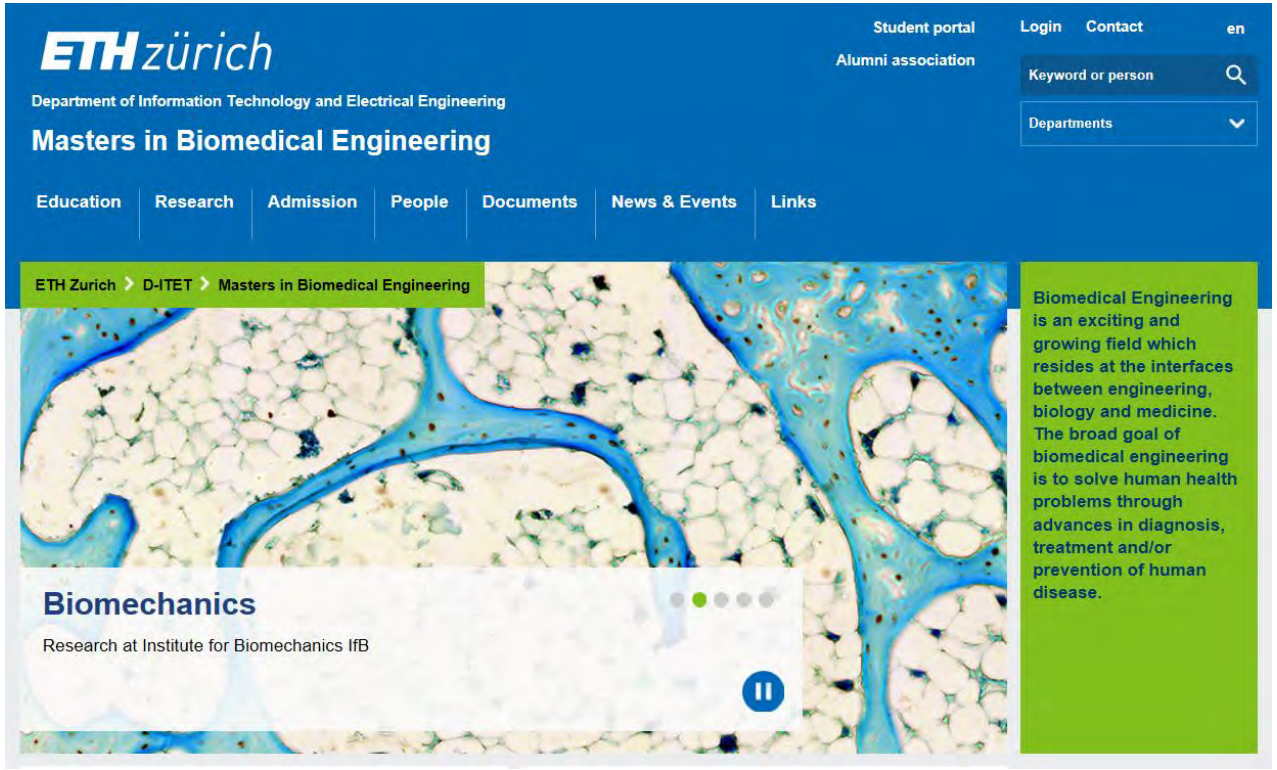
Contact: Study admin D-GESS, Viola Gloor, viola.gloor@gess.ethz.ch On the web: www.gess.ethz.ch

Questions?

Come to us

This presentation can be downloaded from our website

http://www.master-biomed.ethz.ch/



Contacts / Information for Students of the MSc Biomedical Engineering

September 16, 2019

Reto Kreuzer

Coordinator of Studies, Department of Information Technology and Electrical Engineering (D-ITET)

Agenda

1. Your new department
2. Where to find the right contact
3. Useful information

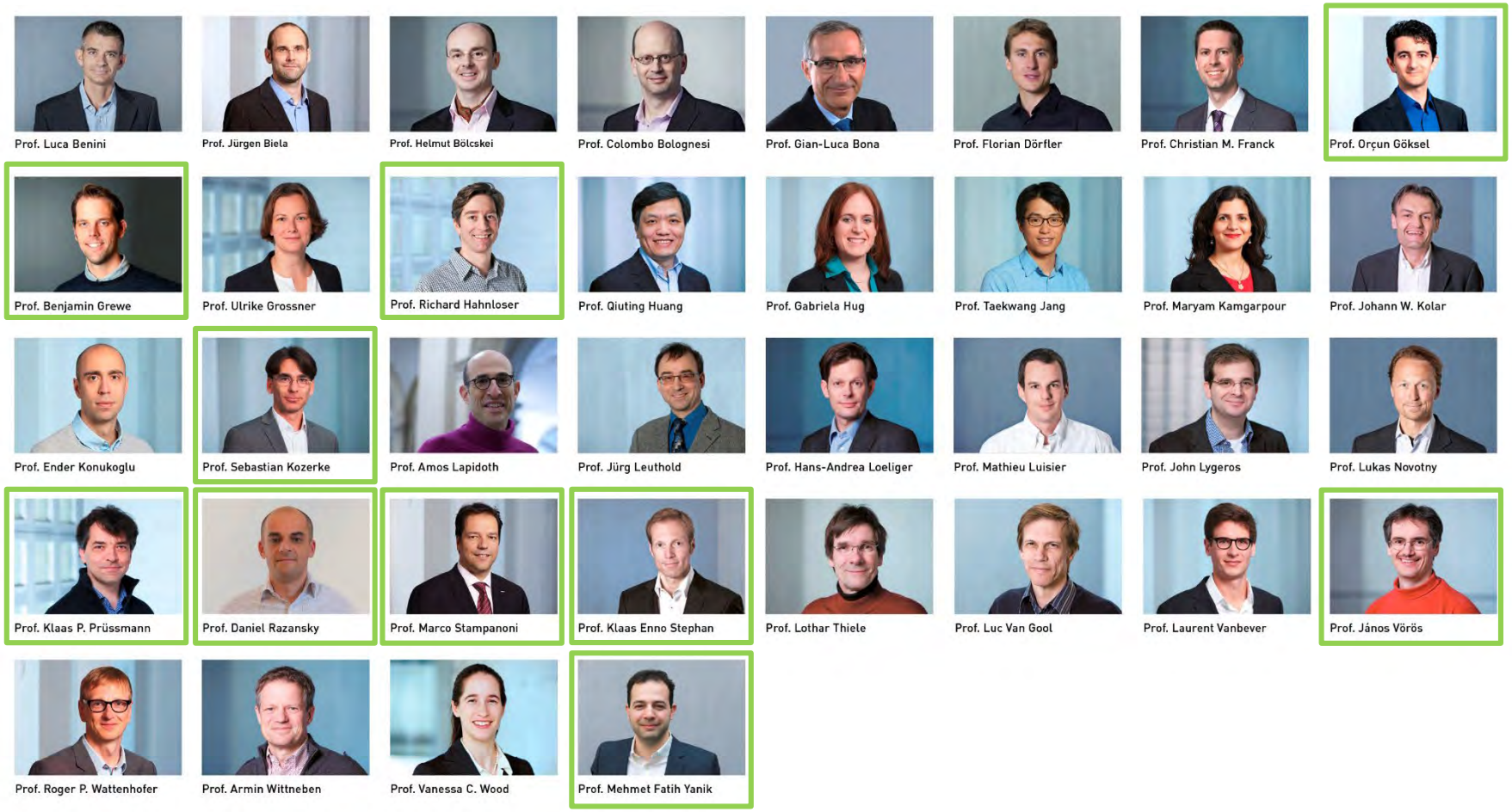
The D-ITET: Optimal support for 1400 students

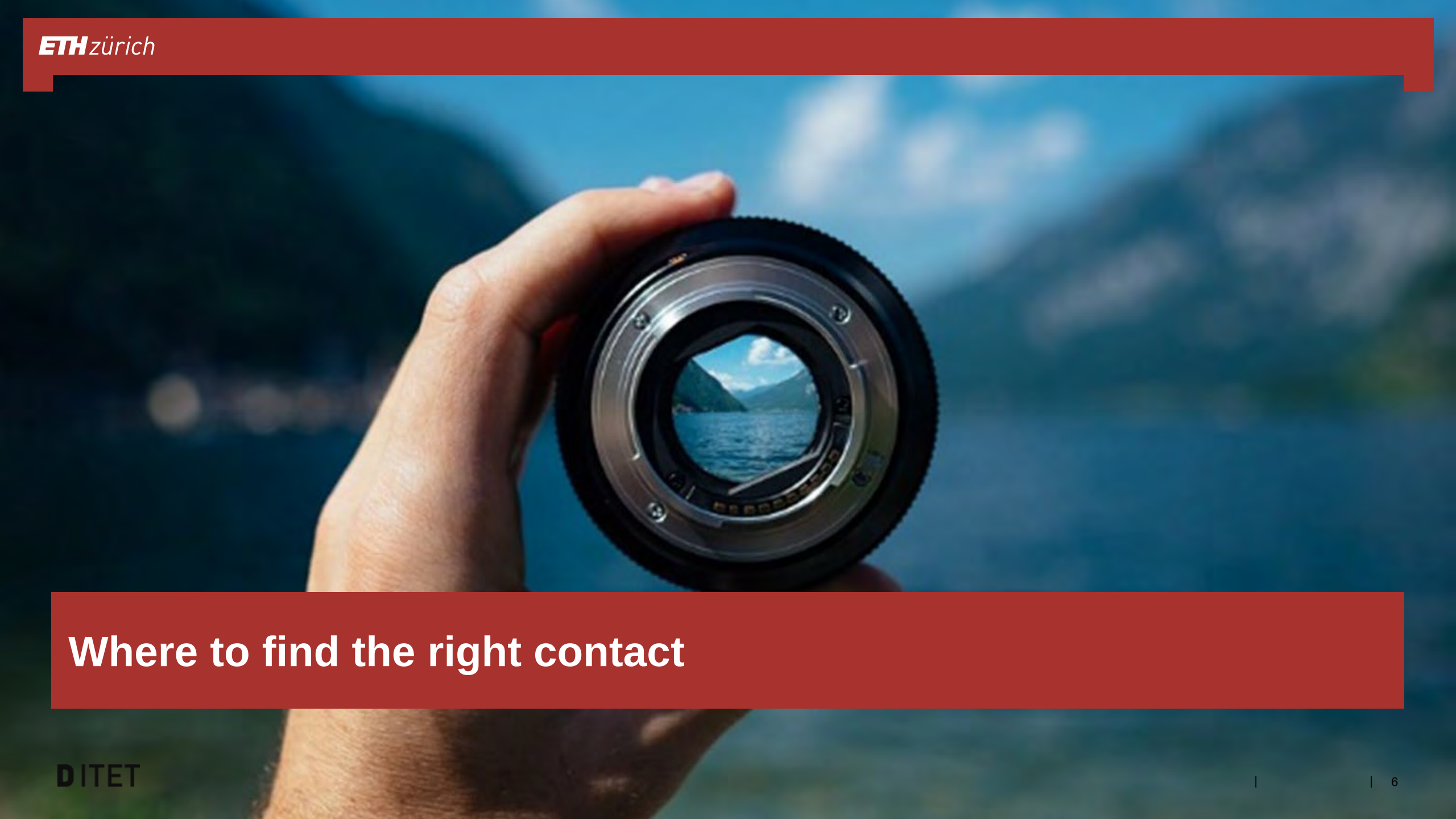
- 36 professors and professors
- over 50 other lecturers
- 400 doctoral students
- study administration
- AMIV/BEEZ (students' association)
- IT support

Students at ETHZ and D-ITET (2018 figures)

Students at ETH Students at D-ITET	21‘397 1‘808
Students at bachelor level (years 1 to 3) ETH **D-ITET**	 9‘517 **704**
Students at master level (years 4 to 5) ETH **D-ITET** Electrical Engineering MSc **Biomedical Engineering MSc (with D-HEST, D-MAVT and D-PHYS)** Energy Science & Technology MSc (with D-MAVT and D-MTEC) Quantum Engineering (with D-PHYS, first year fall 2019) Neural Systems an Computation MSc (with University Zurich)	 6‘590 **668** 400 **105** 107 24 56
Exchange students ETH **D-ITET**	 480 **39**
PhD students ETH **D-ITET**	 4‘175 **397**

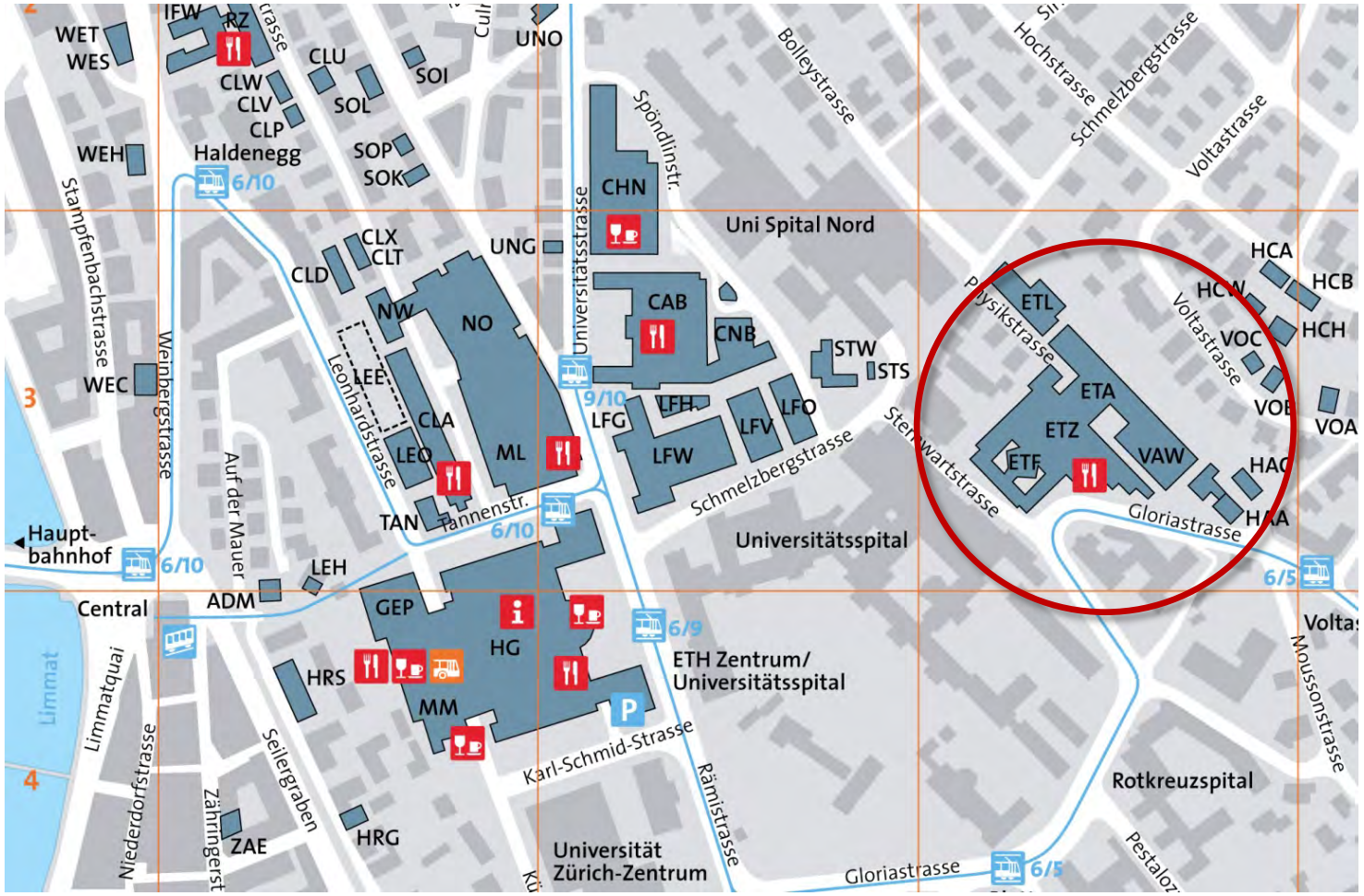
Our Professors: one fourth in the biomedical field



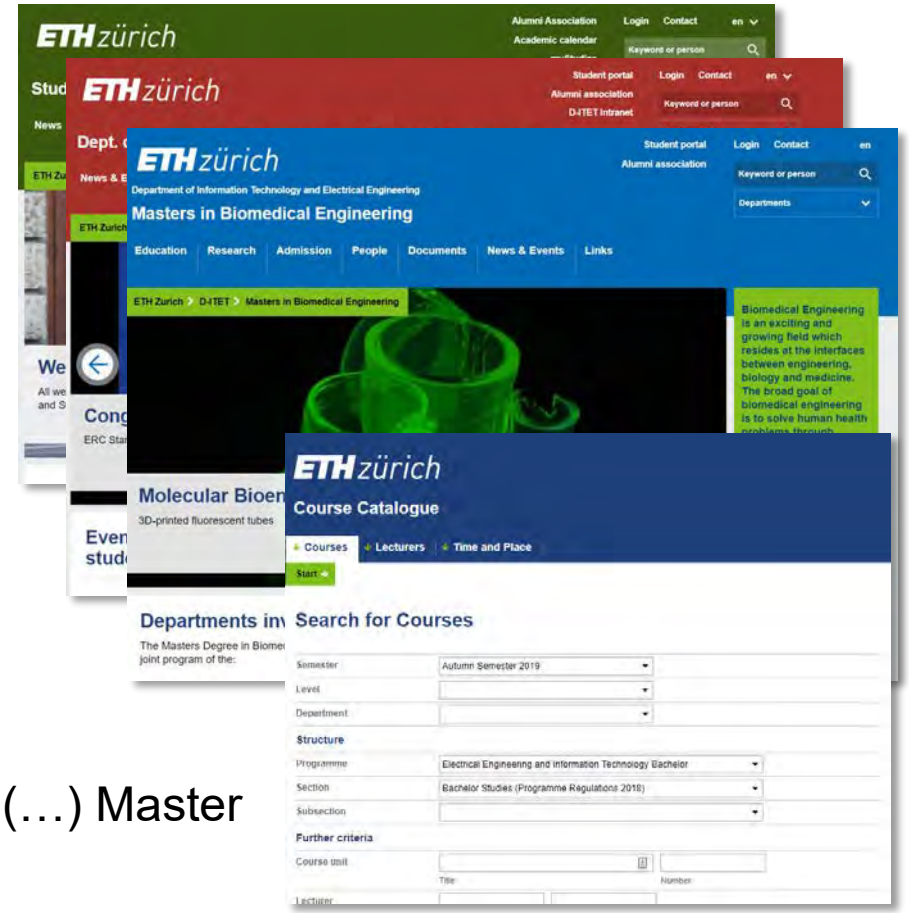


Where to find the right contact

Map of ETH and D-ITET



Where do I find information on the web?



- **General Information on studies at ETH and D-ITET**
  ETH students' website: www.ethz.ch/students
  D-ITET website www.ee.ethz.ch/studies

- **Information on the Master in Biomedical Engineering**
  Program website: www.master-biomed.ethz.ch

- **Course catalogue**
  Online: www.vvz.ethz.ch > Programme > Electrical Engineering (…) Master

- **Messages from ETH and the Department**
  Email on your ETH-Address (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.

D-ITET / central services

Student Admin (ETZ H 85)

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

Students' association

AMIV (CAB E 37)

Social contacts, networking

Tutors / Lecturers / TA

Course specific questions, study plan

Your contacts at the D-ITET

Reto Kreuzer

Coordinator of studies,
Student advisor

Head of student administration D-ITET,
Regulations / legal etc.

ETZ H 83
+41 44 632 50 03
info@ee.ethz.ch

Doris Döbeli

Student Administration

Transcripts of records, diplomas etc.

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

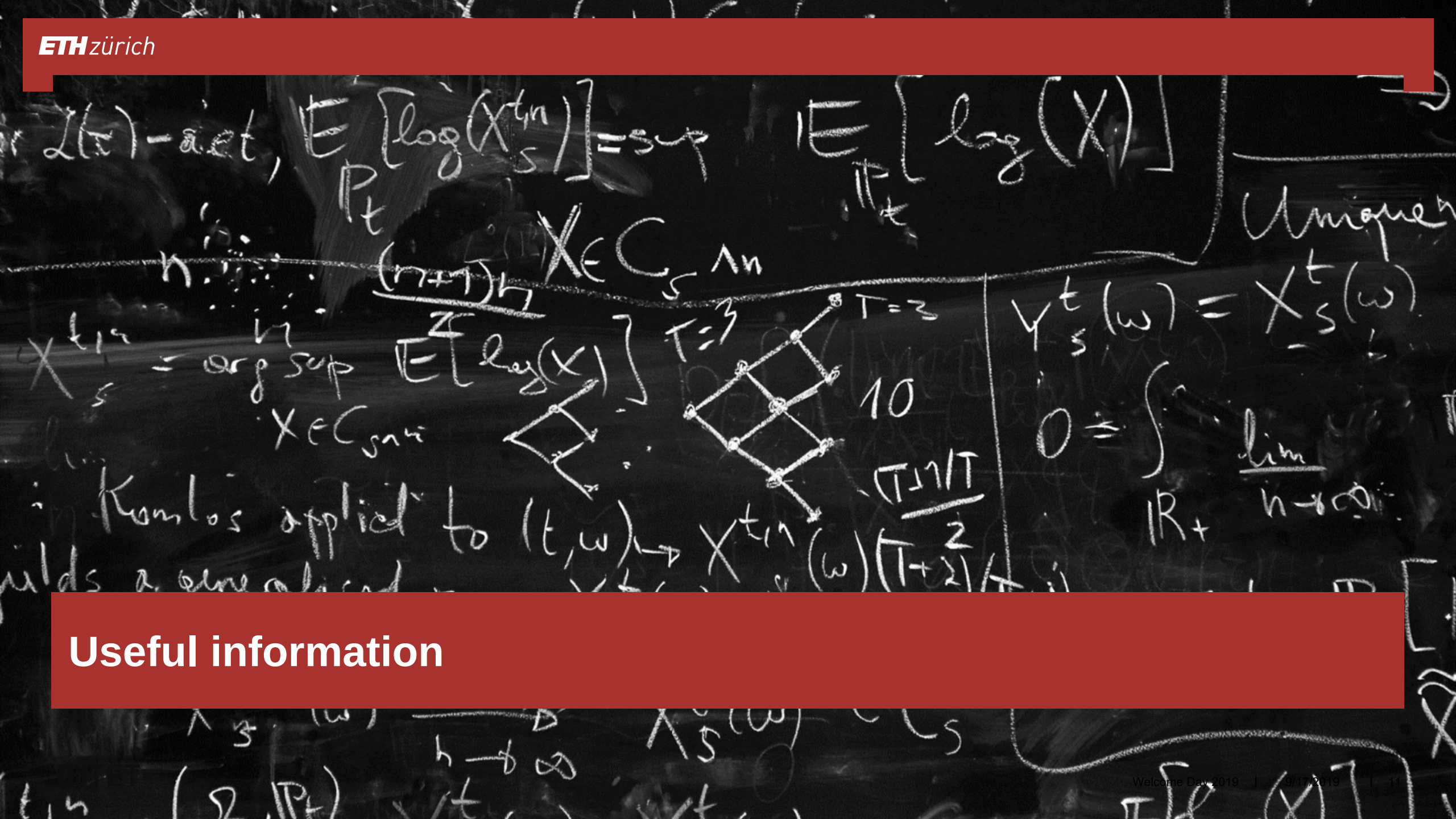
Noëmie Frischknecht

Study Coordination

Course schedules

ETZ H 87
+41 44 632 50 03
info@ee.ethz.ch

ETH zürich



Useful information

Counselling at ETH and the D-ITET

- **Course selection**: your track advisor.
- **Studies at D-ITET**: As the student advisor of D-ITET, I offer counselling on issues directly related to your studies (e.g. deadlines, failures at examinations, etc.).
- **General questions regarding your arrival at ETH**: Ms. Annina Wanner (HG F 22.3) of the international student support helps with possible issues related to your status as foreign student.
- **Time management / motivation**: The team of the ETH student advisory service / coaching of the Student Services (StS) helps you.
- **Difficult phases / personal problems**: the psychological counselling service (free of charge and confidential).

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 (IT support office ETF D 106).
- **Project Neptun:** During a short period (until September 30), laptops may be purchased through ETH (see 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!

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)

- **This presentation**
  Available tomorrow morning on www.ee.ethz.ch > Studies > Forms and Documents > Current Documents

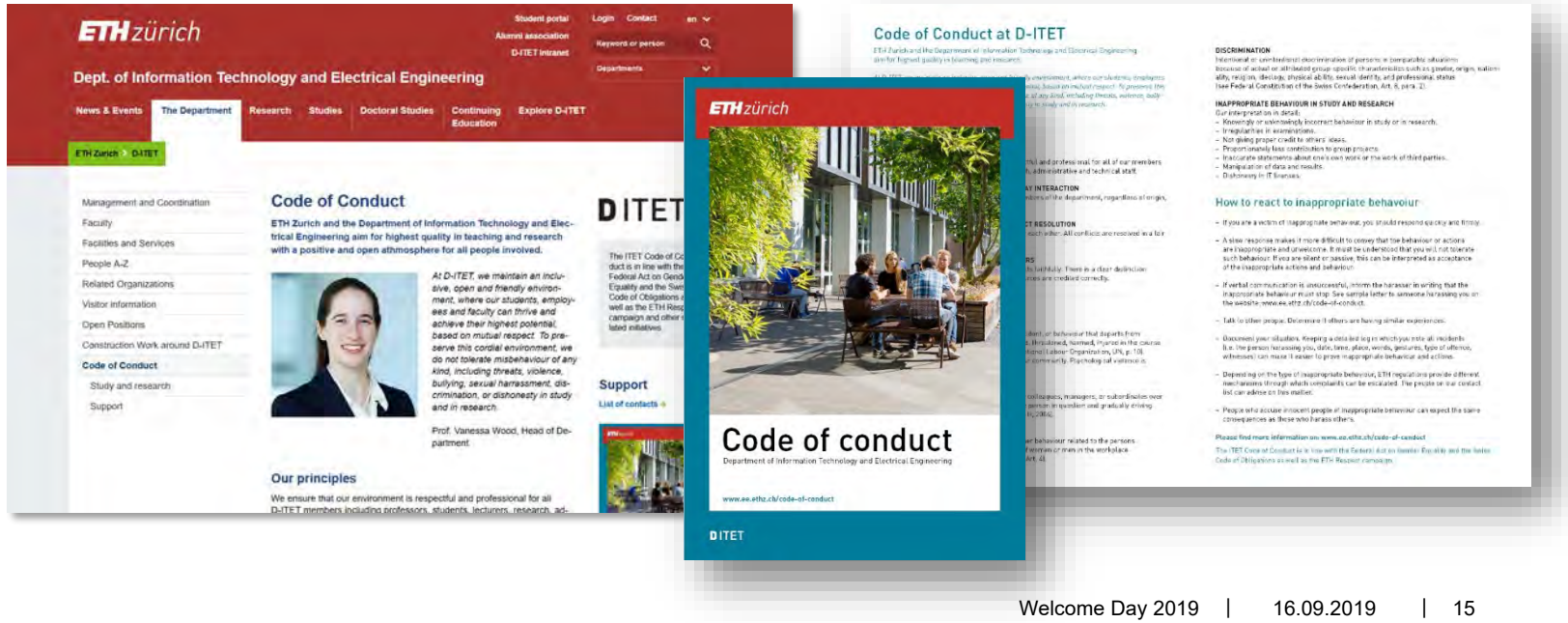
Code of conduct

« 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

Further information on the Web:

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



ETH zürich

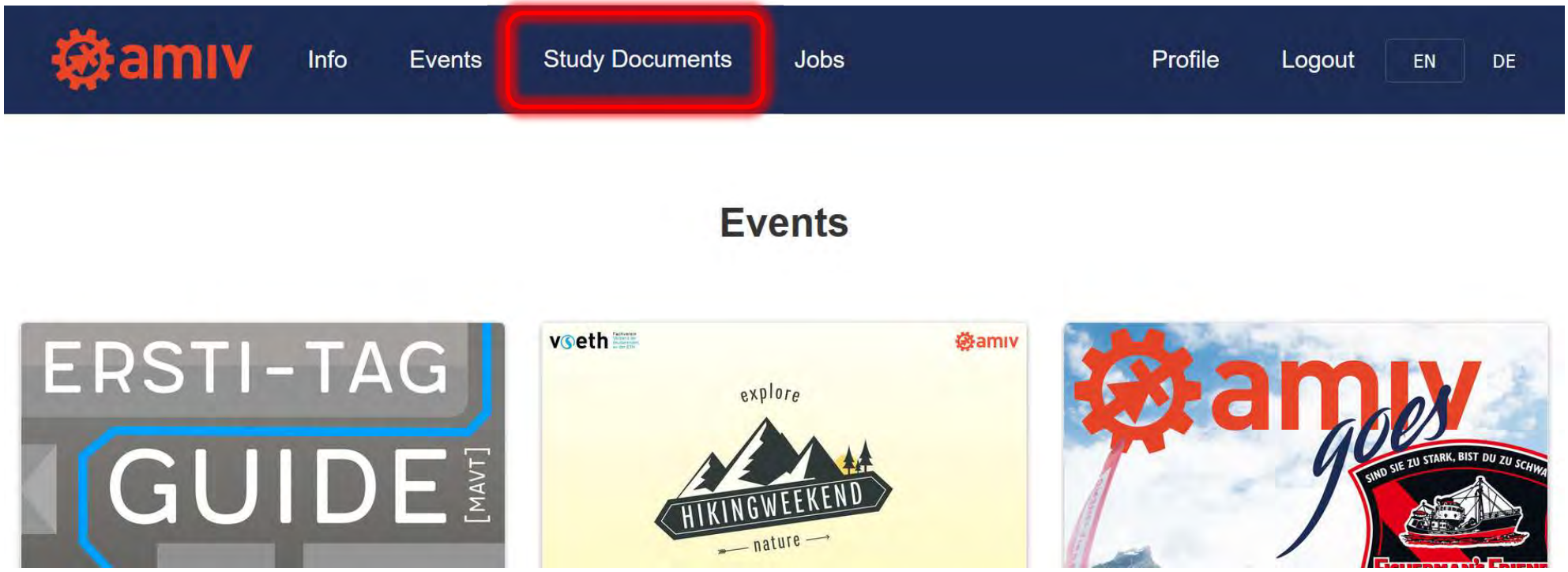
Enjoy your studies at ETH!

Zürich

Welcome Day

Offers and Activities: Study Documents

- Study documents online on the AMIV website



Sport and Fun

- Theater
- Poker- / Jass tournament
- Sushi-Night
- Chocolate fondue
- Strongmanrun
- Wellness-Evening
- Lasertag
- Beachvolleyball tournament

Events

- Hertz
- Absolventenparty
- AMIV goes Nachtseminar
- And much more ☺

- Skiweekend
- AMIV Fondue (with professors)
- Wine degustation
- Beer degustation

amivs Teams

Bastli

LIMES
Ladies In Mechanical and Electrical Studies

blitz
die Fachzeitschrift des amiv an der ETH

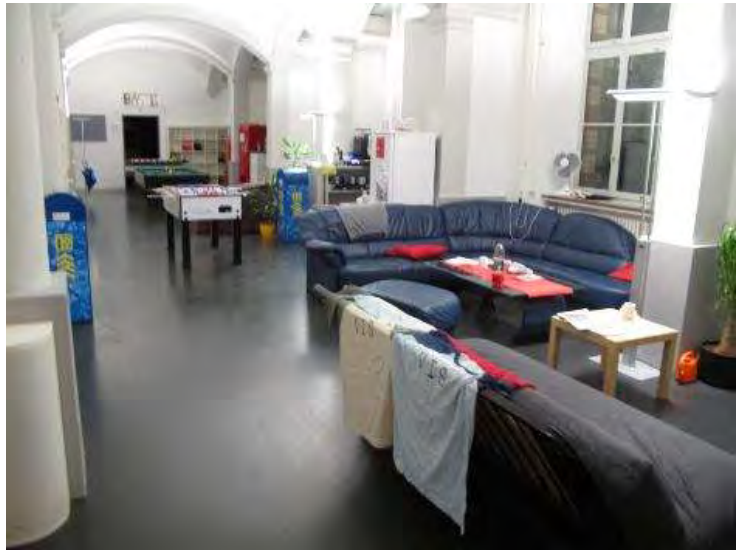
amiv-bräu

RRATIONAL Coffee

amivKONTAKT

eestec ELECTRICAL ENGINEERING STUDENTS' EUROPEAN ASSOCIATION

Offers and Activities: Lounge

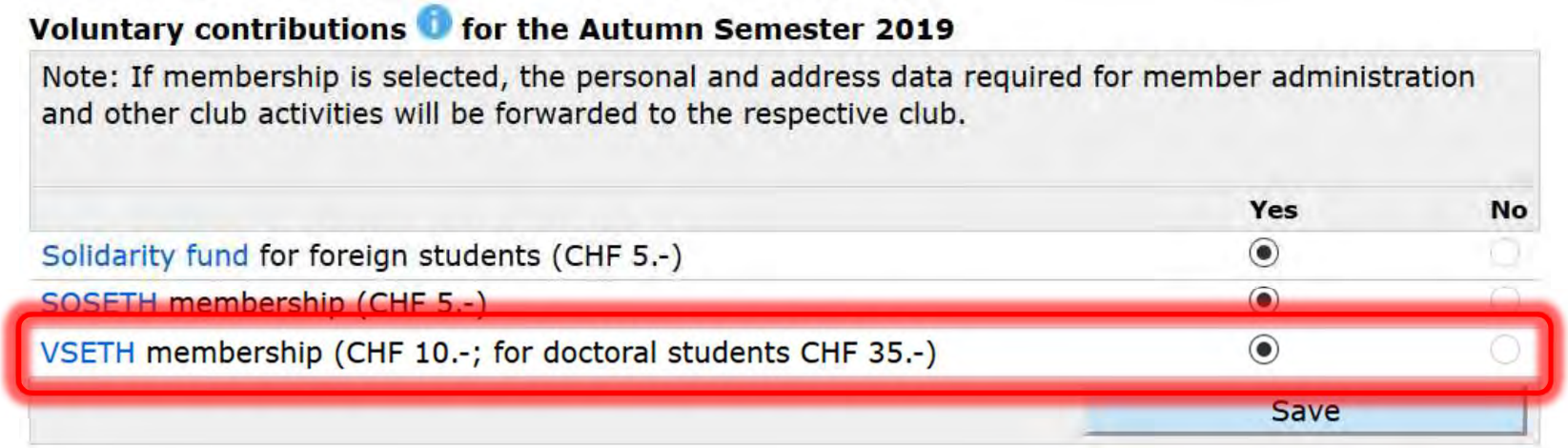


- Couches
- 55’’ TV with:
  - Xbox One and 360
  - PS4
  - Nintendo Wii

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

How can I participate?

- **Become a VSETH member:**



- **Teams**
- **Board member**

Where can you find us?

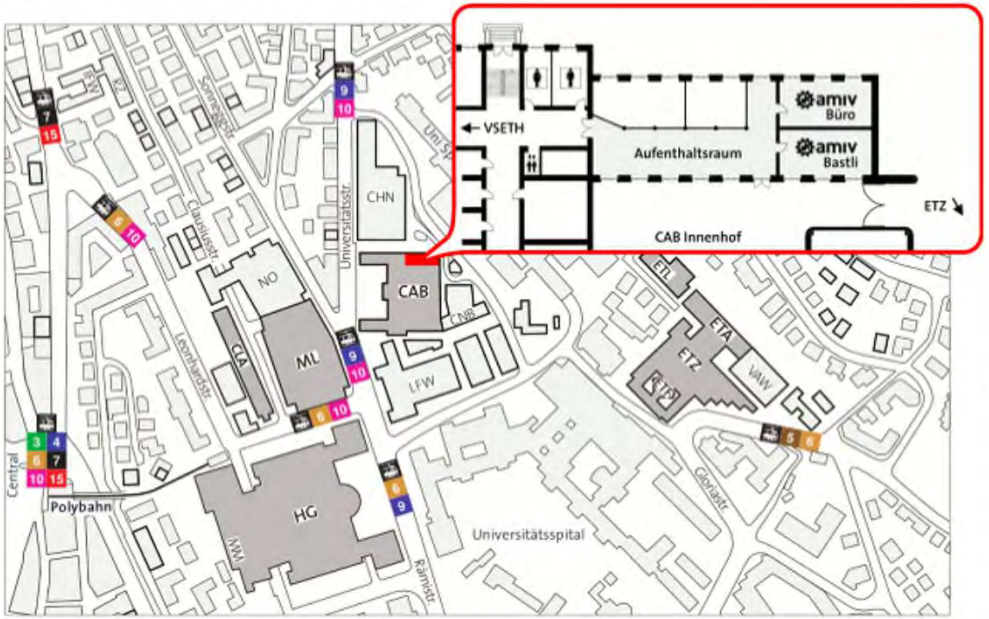
www.amiv.ch

@amiv_eth

facebook.com/AMIV.ETHZ

info@amiv.ethz.ch

CAB E37
Universitätstrasse 6
8092 Zürich



Questions?

amiv an der ETH

Universitätstrasse 6
CH-8092 Zürich

www.amiv.ch
info@amiv.ethz.ch

LIMES

Ladies In Mechanical and Electrical Studies

What we do:

Ladies Night:
Dinner and networking with industry partner

Highschool students day:
Information day for students to inspire them for our field

Further activities:

- Coachingevents
- Excursions
- Sport events

Welcome-Apero for all women

Tuesday 17.9 12.00 p.m. ETZ Foyer

LIMES

Ladies In Mechanical and Electrical Studies

limes@amiv.ethz.ch

www.amiv.ethz.ch/limes

https://www.facebook.com/LIMES.AMIV