



## WORK OFFER

Ref. No. CH-2020-000036

### Employer Information

**Employer:** ABB Switzerland  
 Medium Voltage Drives Power Electronics  
 Austrasse  
 5300 Turgi  
 Switzerland

**Website:** <https://new.abb.com/>

**Location of placement:** Turgi  
**Nearest airport:** ZRH  
**Working hours per week:** 40.0  
**Working hours per day:** 8.0

**Number of employees:** 250

**Business or products:** Power Converters for Motor Drives, Teststand, and Wind Turbines

### Student Required

**General Discipline:** 14A-ENGINEERING, Other  
 14C-ELECTRICAL AND ELECTRONICS  
 ENGINEERING

**Completed years of study:** 3.5

**Field of Study:** 14.0903-Computer Software Engineering.  
 14.1001-Electrical and Electronics Engineering  
 14.XX02-Embedded Systems

**Student status requirements:** must be enrolled, company rule

**Language required:** English Good

**Required Knowledge and Experiences:**

Matlab/Simulink, real-time hardware in the loop simulators (dSpace)

**Other requirements:**

We're looking for an electrical engineer with software development skills or a software engineer with interest in electrical engineering

### Work Offered

In this exciting internship, you will have the opportunity to join a team of 8 control software R&D engineers currently working at making the power converter for the biggest wind turbine in the world.

We are looking at someone to support us to increase at our simulation and testing automation tools.

This internship is ideal for candidates who like and are good at python scripting, and who have interest in controls, electrical engineering (power electronics), and renewable energy.

Other nice to have qualifications:

- Experience with Matlab/Simulink
- Experience with real-time hardware in the loop simulators (dSpace)

Depending on study Level, salary might be higher.

**Number of weeks offered:** 20 - 32

**Working environment:** Research and development

**Within the months:** 01-MAR-2020 - 31-DEC-2020

**Gross pay:** 2000 CHF / Month

**Or within:** -

**Deduction to be expected:** approx. 10% Social Security AHV/IV

**Company closed within:** -

**Payment method / time of first payment:** Bank Transfer /

**Latest possible start date:**

### Accommodation

**Canteen at work:** No

**Expected type of accommodation:** depends on availability in their apartment house

**Estimated cost of lodging:** 950 CHF / Month

**Accommodation will be arranged by:** Employer

**Estimated cost of living incl. lodging:** 1600 CHF / Month

### Additional Information

Students with any NON-EU/EFTA nationality need to provide an official letter from their university, confirming that the traineeship is compulsory (IAESTE Switzerland will apply for visa and work permit)

### Nomination Information

**Deadline for nomination:** 15-MAR-2020

**Date:** 11-DEC-2019 **On behalf of receiving country:** Sabine Lenz