



WORK OFFER

Ref. No. BE-2019-032VUB

Employer Information

Employer: VUB MECH
MECH
Pleinlaan 2
1050 Brussels
Belgium

Website:

Location of placement: Elsene
Nearest airport: Brussels Airport
Working hours per week: 38,0
Working hours per day: 7,6

Number of employees: 3000+
Business or products: university

Student Required

General Discipline: 14D-MECHANICAL ENGINEERING
11-COMPUTER AND INFORMATION SCIENCES

Completed years of study: 3

Field of Study: 14.1901-Mechanical Engineering,
14.4201-Mechatronics, Robotics, and Automation
Engineering, 11.0201-Computer
Programming/Programmer, General,
11.0202-Computer Programming, Specific
Applications,
11.0899-Computer Software and Media Applications,
Other.

Language required: English Excellent Or
Dutch Good

Required Knowledge and Experiences:

We are looking for a mechatronics or software engineering student with a
particular interest in 3D-printing and extensive knowledge in programming,
mainly python, C and C++. Further interest in material science and
mechanics is a plus.

Other requirements:

We are looking for an ambitious high-profile student. A conference call (skype
for example) will be organized to estimate the trainee's potential.

Student status obligatory: please include a Certificate of Enrolment with your
nomination.
If trainee has non-EEA/Swiss nationality: maximum duration is 90 days.

Work Offered

The R&MM research group focusses it's research on various aspect within robotics, such as social robotics, prosthetics, exoskeletons, and various types of
actuators. Within this internship, you will assist the team working on self-healing soft robotics. These robots are made out of a self-healing polymer that is
able to recover from leaks, scratches or ruptures by shortly placing it in the oven.
Currently, we are working on the 3D-printing process of these materials. To do this, we have developed and adapted an existing 3D-printer. To work with
this adapted printing head, the software (slicer and/or printer firmware) needs to be adapted to fit the needs. You will need to evaluate the correct working of
the software by conducting tests on the 3D-printer itself.
Depending on you background and interest, this main task may be combined with several smaller tasks in 3D-printing of self-healing materials, mechanical
design, soft robotics or further programming.

Number of weeks offered: 12 - 36

Working environment: Research and development

Within the months: 01-APR-2019 - 20-DEC-2019

Gross pay: 200 EUR / Week

Or within: -

Deduction to be expected: 0

Holidays: -

Payment method / frequency: /

Accommodation

Canteen at work: No

Expected type of accommodation: Student dormitory

Estimated cost of lodging: 100 EUR / Week

Accommodation will be arranged by: IAESTE

Estimated cost of living incl. lodging: 200 EUR / Week

Additional Information

Nomination Information

Deadline for nomination: 31-MAR-2019

Please send nominations by Exchange Platform

Date: 15-JAN-2019

On behalf of receiving country:

Annelies Vermeir