Preferably to be completed electronically

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Bachelor’s Thesis project application form (BEP)**  All students are obligated to fill out this form prior to the start of your Bachelor Thesis project. Please make sure this form is signed by either your programme coordinator (TN, NB) or academic counselor (MST, LST, NB) and by the responsible thesis supervisor. Once the form has been completed it needs to be submitted digitally at the Thesis Office TNW: ThesisOffice-TNW@TUDelft.nl | | | | | | | | | | | | | | | | | |
| **1. Personal data** | | | | | | | | | | | | | | | | | |
| Last name: | | | van Staalduine | | | First name: | | | Simon | | | | | | | | |
| Student number Delft: | | | 4663764 | | | E-mail: | | | s.e.vanStaalduine@student.tudelft.nl | | | | | | | | |
| Student number Leiden/Rotterdam 1 | | |  | | |  | | | | | | | |  | | | |
| Programme: | | |  | | | | | | | |  | | |  | | | |
| 1)only if applicable | | | | | | | | | | | | | | | | | |
| **2. Assessment Committee3)** | | | | | | | | | | | | | | | | | |
| Responsible thesis supervisor: | | | Jacob Hoogeboom | | Faculty/Department/Institute: | | | | | | | AS ImPhys | | | | | |
| 2nd Examiner: | | | Arjen Jacobi | | Group: | | | | | | | MinT | | | | | |
| *3) Both examiners should be scientific staffmembers, no PhD or PostDoc*  *Only applicable to LST: when the BEP takes place within the LUMC a fixed internal examiner has to be part of the committee*  *Only applicable to AP: for the Bachelor Applied Physics, it is mandatory that at least one of the members of the Assessment Committee provides education to the*  *Bachelor Applied Physics.*  *Only applicable to NB: your supervisor must to be on the “Green  List”, which can be downloaded from the Thesis Office Brightspace*  If the full assessment committee is not known at the start of the thesis project, it’s very important to inform the Thesis Office TNW of the definite assessment committee at least two weeks prior to the date of the defense. | | | | | | | | | | | | | | | | | |
| **3. Details Bachelor’s thesis project** | | | | | | | | | | | | | | | | | |
| Title of the project: | | Organelle segmentation based on CLEM samples | | | | | | | | | | | | | | | |
| Period | From: | 14-09-2020 | | Expected date of completion: | | | 18-02-2021 | | | Average number  of hours per week: | | | | | | 30 | |
| Short description of the project: Investigating the capabilities of neural networks to segment microscopy data of both Electron microscopy and Fluorescence microscopy. Particularly segmentation of cell nuclei in rat pancreatic cells will be investigated. | | | | | | | | | | | | | | | | | |
| Terms of confidentiality and transfer of intellectual property apply to this project: | | | | | | | | | | | | |  | Yes2 |  | | No |
| 2 If confidential, it is necessary that the supervisor contacts CMB (Contract Management Bureau). | | | | | | | | | | | | | | | | | |
| **4. Signatures** | | | | Name | | | | Date | | | | | Signature | | | | |
| Student: | | | | Simon van Staalduine | | | | 19-02-2021 | | | | |  | | | | |
| Responsible thesis supervisor: | | | | Jacob Hoogeboom | | | |  | | | | |  | | | | |
| If for any reason a delay takes place during the project we urge the student and supervisors to contact the academic counsellor. | | | | | | | | | | | | | | | | | |
| **5. Approval to start BEP** | | | | Name | | | | Date | | | | | Signature | | | | |
| TN: programme coordinator  LST: academic counsellor  NB: programme coordinator or academic counsellor | | | | Tanja Hilkhuijsen | | | |  | | | | |  | | | | |
| **Please submit this form digitally at the Thesis Office before the start of your BEP!** | | | | | | | | | | | | | | | | | |

**GUIDELINES BACHELOR THESIS PROJECT**

**1 Goal BEP**

The BEP is the ‘final test’ of your Bachelor programme. You will incorporate all of your knowledge and skills from the previous years, and further improve and integrate them. The learning goals are:

1. Literature study, knowledge of relevant literature and datasources
2. Preparing and setting up the research
3. Collecting and generating research data
4. Analysing and processing research material
5. Productive work attitude and teamwork
6. Reporting

The BEP will be performed on individual basis.

**2 Studycredits**

The total study credits for the Bachelor Thesis project:

TN: 12 EC (336 hours)  
LST: 18 EC (504 hours) or 17 EC (476 hours)  
NB: 20 EC (560 hours)

The study credits include the entire project: preparation, experimental work and interpretation of results, writing the report and the final oral presentation. Student and supervisor will determine together the start date, intensity and expected end date (final presentation) – keeping in mind the educational and secondary activities during the project period – and fill this out on the application form.

**3 Supervision**  
During the project the supervisor and student have joined responsibility to make sure the progress is maintained and the project will be finalized within the timeframe, among others by having contact on a regular basis.

MST students can submit a chapter of the report, or a concept version of the entire report, to a writing coach. Please contact the academic counsellor if you want to make use of this coach.

**4 Illness**

The students need to report non-attendance due to illness to the supervisor (or to the examiner appointed by the supervisor) as soon as possible.

**5 Problems**

If for any reason a delay takes place during the project, the student and/or supervisors will contact the academic counselor at the earliest stage possible.

**6. Conclusion of the project and assessment**

The project will be concluded with a scientifically accountable report and a presentation. The BEP will be assessed by 2 examiner (for LST a BEP that is carried out at the LUMC: also an internal examiner). The student has to make sure all examiners receive a definitive version of the report at least two weeks before the final presentation.

After the end presentation, the examiners will fill out the BEP assessment form according to the ‘grading scheme’ and submit the form at the Thesis Office TNW. The student submits a digital version of the report at the Thesis Office TNW. Once the Thesis Office TNW has received both documents the grade will be submitted at the student administration for processing. After the project has finished, the student will receive a survey to evaluate the BEP.

**7 Confidentiality**

The student will not share any information publicly (in readings, posters or personal conversations) about the results of the research or research group, or information from meetings, without specific approval of the responsible supervisor. If any additional terms have been made, this should be marked on the application form.