



## Contract for the

## Bachelor's project Artificial Intelligence

**Project title:** Isolating Wildfires using a waypoint-generating CNN  
based Multi-agent system

**Academic year**

2020 - 2021

**Semester** 1 / 2

**Student:** Markus Bäuerlein

student number

s3664899

telephone: \_\_\_\_\_

e-mail address:

m.bauerlein@student.rug.nl

hereby undertakes to complete the Bachelor's project in accordance with the agreements below.

**Supervisor:** Marco Wiering

e-mail address:

m.a.wiering@rug.nl

hereby undertakes to supervise the Bachelor's project in accordance with the agreements below.

### Supervision

The student and supervisor make agreements on the nature of the supervision and on the frequency of the supervision meetings, i.e. what is expected of the student and what the student can expect of the supervisor.

#### Agreements with regard to supervision:

[It is not necessary to tick all these points; they are only examples.  
The student and supervisor make agreements together]

☒ Frequency of supervision meetings: every week / every other week / other, namely \_\_\_\_\_

☐ The student will keep the supervisor informed about project progress.

☐ The student will submit work for reading at least \_\_\_\_ working days in advance by e-mail / other, namely \_\_\_\_\_

☒ The supervisor will read the student's work and give feedback.

☐ After each meeting, the student will send the supervisor a short e-mail confirming agreements made during the meeting, changes to the schedule, etc.

☒ Junior Lecturers Jelle Visser and Henry Mathuis are going to organize online meetings with us  
every 1-2 weeks.

☒ Marco Wiering is kept up-to-date every 2/3 weeks

### Assessment

The supervisor and student make agreements on the assessment of the Bachelor's project. These agreements can also be made at a later stage.

#### Agreements made with regard to assessment:

☒ The student will work alone / jointly on the Bachelor's project report  
with Johnathan Hewlett, Thijs Visser

Each student will be given an individual mark for the Bachelor's project report

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## Schedule and deadlines

The student and the supervisor make agreements about the project scheduling and the deadlines for submitting interim products. Changes to the schedule/deadlines are subject to consultation between the student and supervisor.

An example of a schedule can be found in the Appendix.

### Agreements made with regard to scheduling:

Deadline for submitting further schedule: \_\_\_\_\_

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## Evaluation

The Bachelor's project will be evaluated after two months. Both parties have the right to end the supervisory relationship or make further agreements about the nature and/or other aspects of the supervision.

### Agreements made with regard to evaluation:

Date of evaluation: April 13th 2021

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## Other agreements

[e.g. about how students will work together if the project is a joint project]

- ☒ The CNN part of the project will be a joint effort, then we will branch out
- ☐ with the different algorithms for waypoint assignment and action selection
- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_

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## Provision regarding the right to supervision

The student is entitled to supervision during the semester in which he/she is working on the project. In principle, there will be no further supervision after this semester (no meetings, no feedback on submitted work). The report on the Bachelor's project submitted after the semester will be assessed only as the final version. The final version of the report will not necessarily be approved (it can still be rejected at this stage).

By signing this contract, the student also confirms that he/she has read and understood this provision.

Signature of student:



Place and date:

Groningen, 11 March 2021

Signature of supervisor:

Place and date:

Groningen, 11 March 2021

## Appendix to the Contract for the Bachelor's project

### Schedule and Deadlines

The student and the supervisor may make agreements about the project scheduling and the deadlines for submitting interim products.

Changes to the schedule/deadlines are subject to consultation between the student and supervisor.

#### Agreed deadlines:

[This is an **example**. the student and supervisor decide the aspects on which agreements will be made]

#### Project work

Deadline for submitting research question:	_____
Deadline for literature survey:	_____
Deadline for setup of model / experiment:	_____
Deadline for data-gathering proposal:	_____
Date of demonstration of functioning model:	_____
Date of demonstration of working experiment:	_____
Deadline for data-analysis proposal:	_____
Starting date for data gathering / experiment:	_____
End date for data gathering / experiment:	_____
Deadline for results for data analysis:	_____
Date of data analysis:	_____
Date <u>Basic environment / collecting data</u>	<u>March</u>
Date <u>Train waypoint prediction</u>	<u>First half of april</u>
Date <u>Develop control methods</u>	<u>Second half of april-may</u>
Date <u>Do experiments</u> :	<u>June</u>
Date _____ :	_____

#### Report

Submission deadline for introduction:	_____
Submission deadline for method:	_____
Submission deadline for results:	_____
Submission deadline for discussion:	_____
Submission deadline for report summary:	_____
Submission deadline for first draft of report:	<u>Last week of June</u>
Submission deadline for final draft of report:	_____
Date <u>Start on introduction</u> :	<u>April</u>
Date <u>Start on method</u> :	<u>May</u>
Date <u>Start on results/discussion</u>	<u>June</u>

#### Presentation

Submission deadline for abstract:	_____
Date of trial presentation:	_____