

Stage weken voor de opleiding Master Informatica

Titel:

Gegevens bedrijf:

Naam: Vintecc

Tel: 0495928460

Externe promotor(en): Glenn

mailadres(sen): glenn@vintecc.com

Andere begeleiders: Simon, Garben

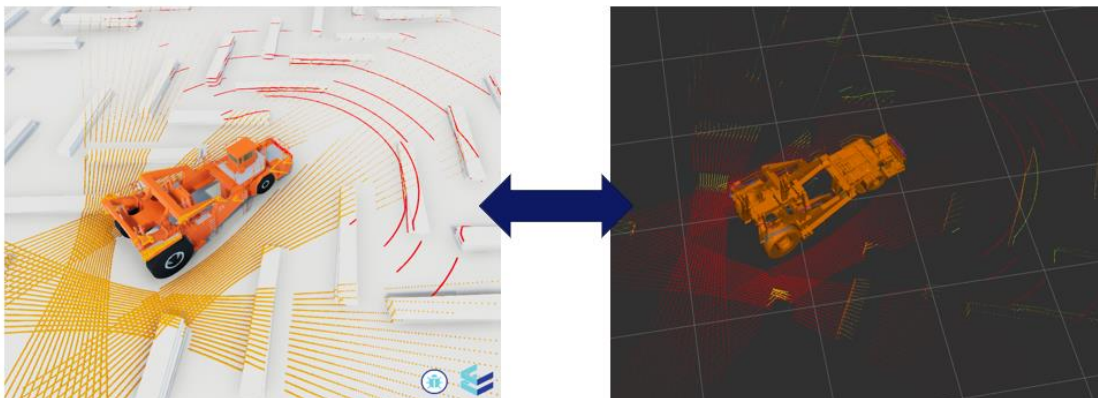
mailadres(sen): simon@vintecc.com , garben.tanghe@vintecc.com

Adres waar de student zal werken: Hof ter Weze 3, 8800 Roeselare

Kort (min 120 uur) of lang (min 200 uur): kort / **lang**

Korte beschrijving van de opdracht:

In the context of a project with lidars, we would like to filter out specific (moving) objects from the scene. This can be done using semantic/instance segmentation on the 3D point clouds.



Starting from lidar/radar output, possibly synthetic data from CAD models.



Goals

The goal is to create a Python package that includes tools to work with (load & store / transform / sample from / visualize) 3D point clouds. These points could include coordinates, intensity, color, normal vectors, ... They can be structured or unstructured.

Another important goal is to perform semantic/instance segmentation on those 3D point clouds directly.

Technologieën die aan bod zullen komen:

Computer vision, deep learning, 3D, point clouds, lidar, radar