

Thesis Proposal

Conceptualization and Study of Image Tracking on Airfields



Description

ADB Safegate is always looking for solutions that will improve the safety, throughput and efficiency at airports. Therefore, we are looking to implement recent technologies to augment current functionality supporting airport operations. With the rapid technology development in other business domains, such as self-driving cars, there is a potential to utilize them also for airport equipment.

The aim of this master thesis is to investigate possible uses and solutions enabled by image recognition techniques, which could be used as a complementary technology to existing sensors, or as a cost-efficient alternative.

A prototype/proof of concept solution should be implemented and tested. The master thesis should also give an indication on how to proceed to implement a commercial system.

The master thesis is most suitable for two students working together. It will be based in Malmö and may also include visits to other offices and testing on a suitable airport.

Tasks within the project:

- ▶ Investigating situations to be monitored
- ▶ Research of existing techniques
- ▶ Proposing a theoretical solution
- ▶ Creating a prototype solution
- ▶ Testing and verifying the solution (on an airfield)

Suitable skills and interests:

- ▶ Image recognition/processing
- ▶ Modelling/simulation
- ▶ Prototyping
- ▶ Software development

Application

Please send your application by December 1st 2017 to thesis@adbsafegate.com.

Title your email "**Master Thesis - Conceptualization and Study of Image Tracking on Airfields**"

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